

DAFTAR PUSTAKA

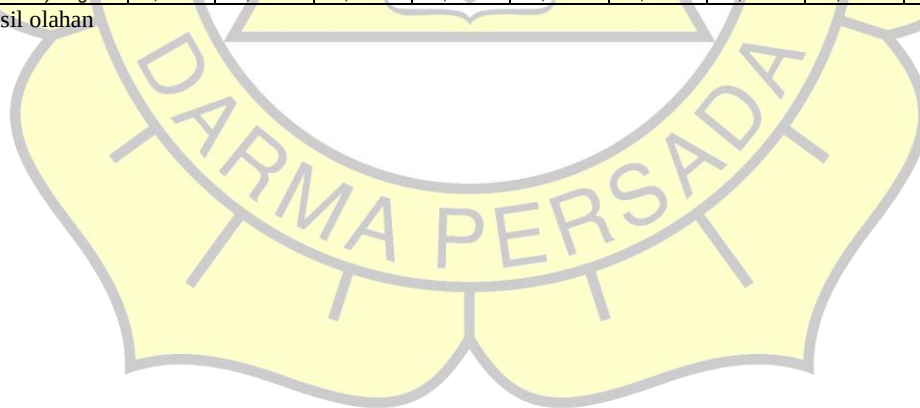
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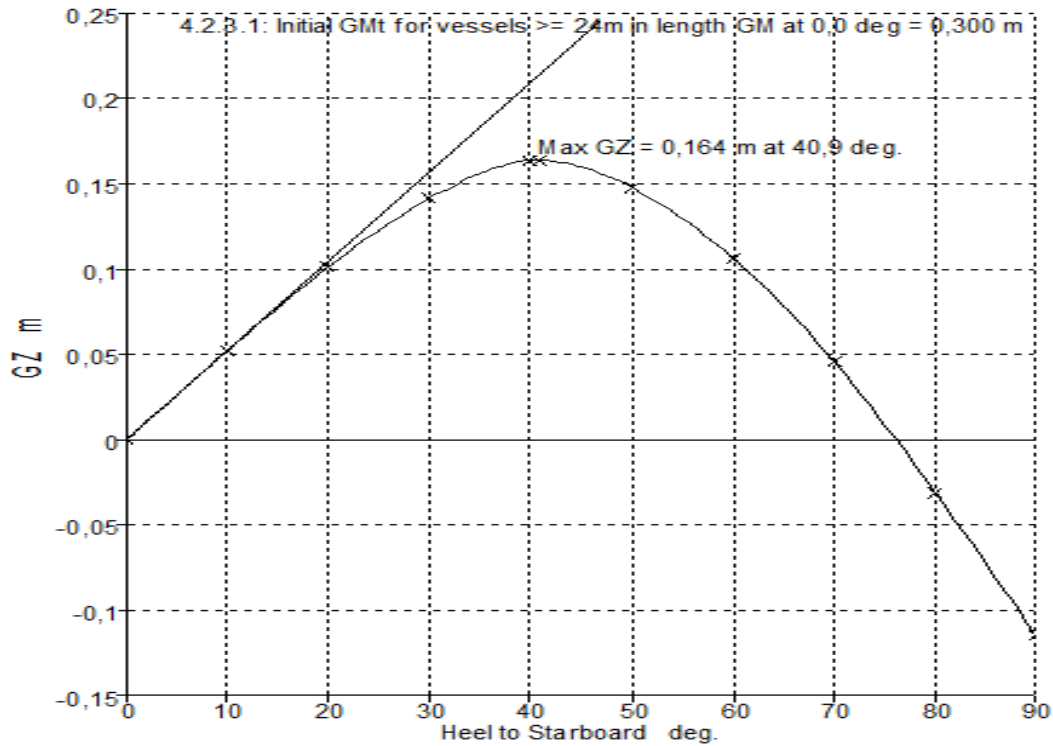
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10 GT (U) Rasio 2,4

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,997	0,000	1,330	-7,234	0,000	9,650
Bekal	1	0,073	0,073	-	-	-3,197	0,000	1,600	-0,235	0,000	0,118
Crew	7	0,075	0,525	-	-	-3,197	0,000	1,900	-1,678	0,000	0,997
CF	1,51	2,500	3,775	-	-	0,881	0,000	1,410	3,326	0,000	5,323
Fuel Oil	100%	1,536	1,536	1,828	1,828	-1,670	0,000	0,853	-2,565	0,000	1,310
FWT (P)	100%	0,292	0,292	0,292	0,292	-5,922	-0,881	1,112	-1,730	-0,257	0,325
FWT (S)	100%	0,292	0,292	0,292	0,292	-5,922	0,881	1,112	-1,730	0,257	0,325
Total Loadcase	-	-	13,750	2,413	2,413	-0,862	0,000	1,313	-11,847	0,000	18,049
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,313	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,052	0,102	0,141	0,164	0,148	0,107	0,046	-0,031	-0,115
Area under GZ curve from zero heel m.deg		0,0000	0,2615	1,0352	2,2589	3,8084	5,3952	6,6852	7,4639	7,5499	6,8251
Displacement t		13,75	13,75	13,75	13,75	13,75	13,75	13,75	13,75	13,75	13,75
Draft at FP m		0,384	0,377	0,352	0,305	0,215	0,039	-0,290	-0,996	-3,180	n/a
Draft at AP m		1,203	1,196	1,172	1,111	1,002	0,876	0,718	0,471	-0,185	n/a
Draft at LCF m		0,844	0,837	0,810	0,752	0,638	0,471	0,219	-0,265	-1,694	n/a
Draft Amidships m		0,793	0,787	0,762	0,708	0,609	0,457	0,214	-0,262	-1,682	n/a
WL Length m		12,832	12,822	12,790	12,728	12,616	12,466	12,414	12,445	12,985	13,382
Beam max extents on WL m		2,566	2,587	2,623	2,616	2,479	2,400	2,376	2,100	1,902	1,776
Wetted Area m^2		35,615	35,605	35,442	35,221	35,631	36,378	36,919	37,280	37,487	37,846
Waterpl. Area m^2		28,947	28,939	28,658	28,245	26,629	24,546	22,869	21,306	20,049	19,471
Prismatic coeff. (Cp)		0,652	0,655	0,665	0,685	0,712	0,747	0,781	0,811	0,806	0,805
Block coeff. (Cb)		0,493	0,500	0,481	0,456	0,474	0,492	0,501	0,566	0,548	0,478
LCB from amidsh. (+ve aft) m		0,908	0,906	0,905	0,902	0,898	0,894	0,894	0,895	0,896	0,897
LCF from amidsh. (+ve aft) m		0,831	0,823	0,783	0,727	0,498	0,222	0,067	-0,020	-0,054	-0,088
KB m		0,578	0,593	0,639	0,712	0,803	0,892	0,979	1,060	1,132	1,198
KG fluid m		1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313
BMT m		1,037	1,040	1,028	1,007	0,841	0,665	0,560	0,469	0,400	0,371
BML m		24,842	24,702	24,179	23,842	22,672	21,491	20,360	19,555	18,919	18,932
GMt corrected m		0,300	0,299	0,273	0,231	0,038	-0,166	-0,293	-0,398	-0,469	-0,485
GML m		24,106	23,961	23,424	23,066	21,869	20,660	19,507	18,688	18,051	18,076
KMt m		1,612	1,616	1,604	1,583	1,447	1,319	1,259	1,220	1,201	1,198
KML m		25,373	24,876	23,323	21,332	18,153	14,695	11,151	7,743	4,414	1,198
KN m		0,000	0,280	0,550	0,798	1,007	1,154	1,243	1,279	1,262	1,198
Max deck inclination deg		3,5049	10,5753	20,2598	30,1349	40,0694	50,0389	60,0235	70,0147	80,0076	90,0000
Trim angle (+ve by stern) deg		3,5049	3,5114	3,5135	3,4531	3,3729	3,5815	4,3153	6,2661	12,6341	90,0000

Sumber : Data hasil olahan





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Lengan Stabilitas 10 GT (U) rasio 2,4

Kriteria 10 GT (U) rasio 2,4

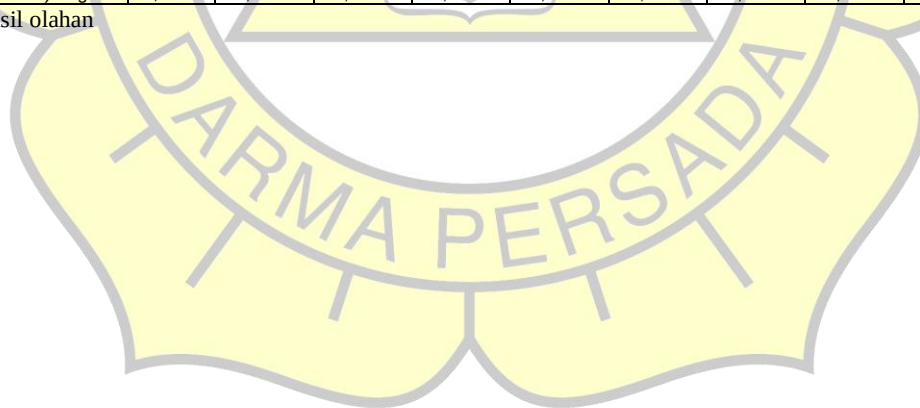
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	2,2589	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	3,8084	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	1,5495	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,164	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	40,9	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,300	Fail

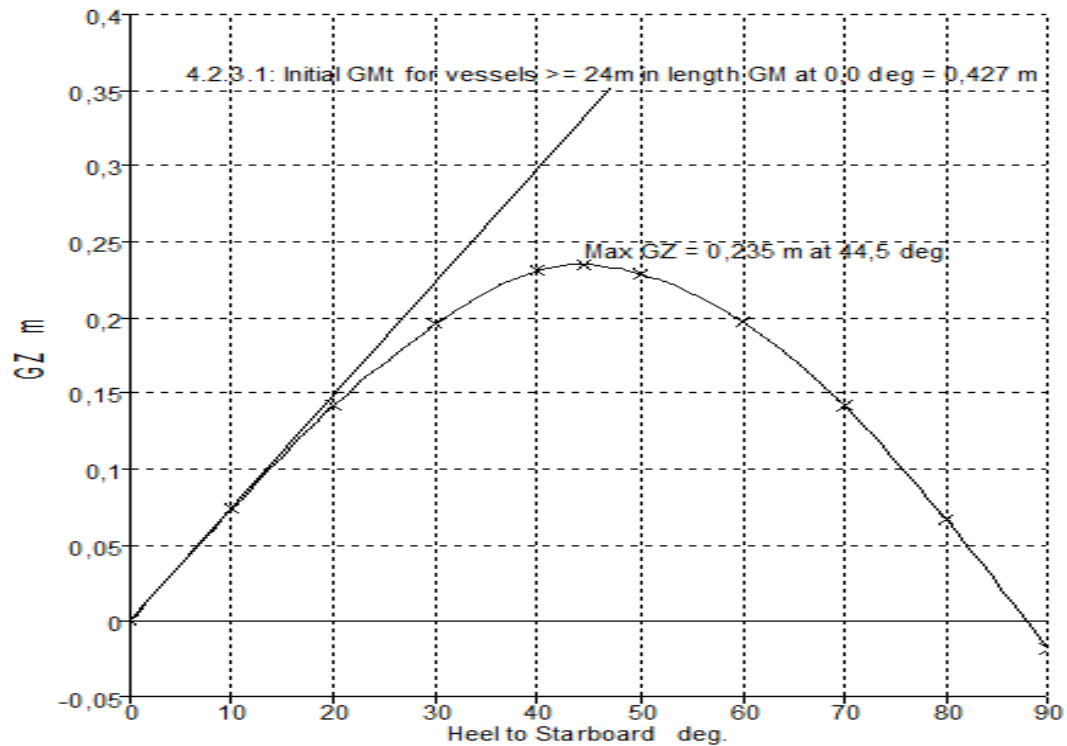
Sumber : Data hasil olahan

10 GT (U) Rasio 2,6

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,997	0,000	1,330	-7,234	0,000	9,650
Bekal	1	0,073	0,073	-	-	-3,197	0,000	1,600	-0,235	0,000	0,118
Crew	7	0,075	0,525	-	-	-3,197	0,000	1,900	-1,678	0,000	0,997
CF	1,09	2,500	2,725	-	-	0,881	0,000	1,021	2,401	0,000	2,782
Fuel Oil	100%	1,536	1,536	1,828	1,828	-1,670	0,000	0,853	-2,565	0,000	1,310
FWT (P)	100%	0,292	0,292	0,292	0,292	-5,922	-0,881	1,112	-1,730	-0,257	0,325
FWT (S)	100%	0,292	0,292	0,292	0,292	-5,922	0,881	1,112	-1,730	0,257	0,325
Total Loadcase	-	-	12,700	2,413	2,413	-1,006	0,000	1,221	-12,772	0,000	15,508
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,221	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,074	0,142	0,196	0,231	0,229	0,197	0,142	0,067	-0,019
Area under GZ curve from zero heel m.deg		0,0000	0,3710	1,4586	3,1585	5,3169	7,6472	9,7999	11,5146	12,5694	12,8144
Displacement t		12,70	12,70	12,70	12,70	12,70	12,70	12,70	12,70	12,70	12,70
Draft at FP m		0,309	0,300	0,271	0,217	0,119	-0,072	-0,433	-1,212	-3,614	n/a
Draft at AP m		1,197	1,192	1,167	1,105	0,990	0,852	0,678	0,401	-0,344	n/a
Draft at LCF m		0,813	0,806	0,777	0,714	0,594	0,414	0,139	-0,390	-1,967	n/a
Draft Amidships m		0,753	0,746	0,719	0,661	0,554	0,390	0,123	-0,406	-1,979	n/a
WL Length m		12,749	12,737	12,700	12,630	12,457	12,334	12,289	12,305	12,809	13,258
Beam max extents on WL m		2,553	2,572	2,594	2,567	2,462	2,358	2,291	2,047	1,858	1,733
Wetted Area m^2		34,447	34,405	34,156	33,849	34,178	34,796	35,242	35,468	35,819	36,189
Waterpl. Area m^2		28,423	28,347	27,904	27,354	26,105	24,077	22,332	20,639	19,568	19,013
Prismatic coeff. (Cp)		0,639	0,642	0,654	0,675	0,704	0,737	0,770	0,803	0,799	0,794
Block coeff. (Cb)		0,480	0,489	0,471	0,449	0,464	0,486	0,505	0,565	0,540	0,469
LCB from amidsh. (+ve aft) m		1,049	1,049	1,048	1,047	1,043	1,041	1,040	1,042	1,043	1,045
LCF from amidsh. (+ve aft) m		0,903	0,899	0,861	0,808	0,603	0,345	0,202	0,127	0,052	0,013
KB m		0,566	0,582	0,630	0,703	0,796	0,889	0,979	1,061	1,135	1,203
KG fluid m		1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221	1,221
BMT m		1,084	1,081	1,051	1,014	0,878	0,696	0,577	0,467	0,414	0,381
BML m		25,893	25,672	24,990	24,540	23,530	22,058	20,748	19,765	19,501	19,573
GMt corrected m		0,427	0,418	0,368	0,302	0,129	-0,094	-0,250	-0,391	-0,462	-0,500
GML m		25,236	25,009	24,308	23,828	22,780	21,268	19,920	18,907	18,625	18,693
KMt m		1,648	1,645	1,615	1,580	1,468	1,336	1,267	1,221	1,207	1,203
KML m		26,401	25,810	24,066	21,921	18,798	15,054	11,344	7,815	4,518	1,203
KN m		0,000	0,286	0,560	0,806	1,016	1,164	1,255	1,289	1,269	1,203
Max deck inclination deg		3,8039	10,6774	20,3097	30,1637	40,0850	50,0474	60,0286	70,0177	80,0091	90,0000
Trim angle (+ve by stern) deg		3,8039	3,8195	3,8385	3,8039	3,7312	3,9569	4,7543	6,8825	13,7547	90,0000

Sumber : Data hasil olahan





Sumber : Dat a hasil olahan
 Lengan Stabilitas 10 GT (U) rasio 2,6

Kriteria 10 GT (U) rasio 2,6

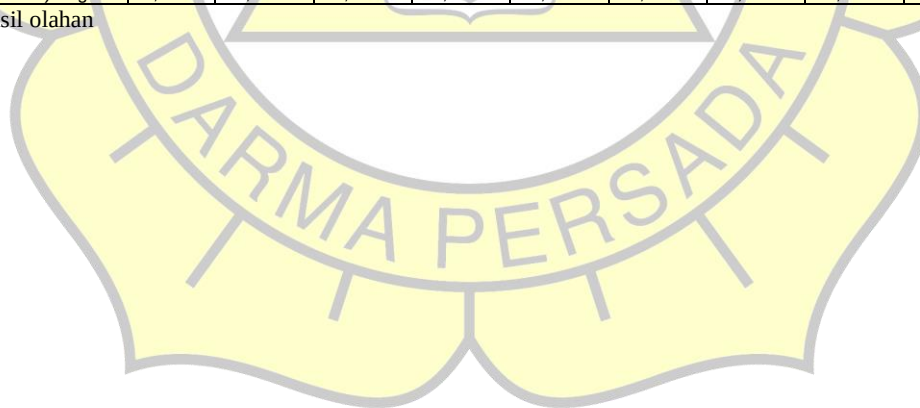
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	3,1585	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	5,3169	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,1584	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,235	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	44,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels $\geq 24\text{m}$ in length	0,350	m	0,427	Pass

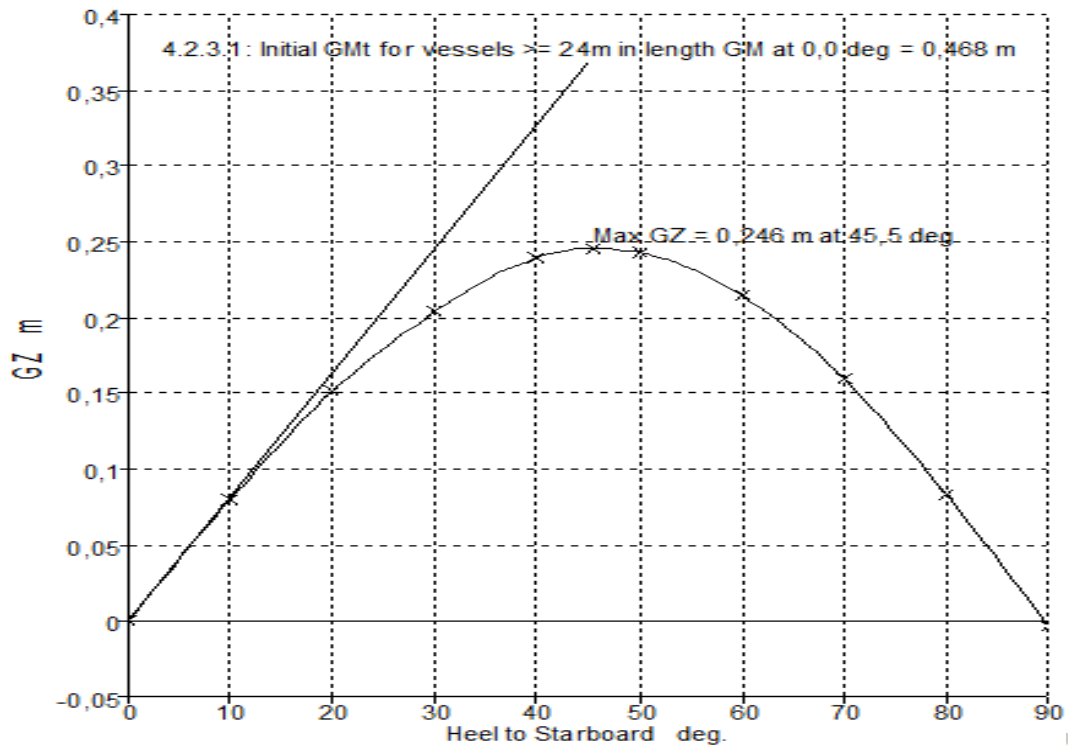
Sumber : Data hasil olahan

10 GT (U) Rasio 2,8

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-1,040	0,000	1,330	-7,546	0,000	9,650
Bekal	1	0,073	0,073	-	-	-3,240	0,000	1,600	-0,238	0,000	0,118
Crew	7	0,075	0,525	-	-	-3,240	0,000	1,900	-1,701	0,000	0,997
CF	1	2,500	2,500	-	-	0,770	0,000	0,937	1,925	0,000	2,342
Fuel Oil	55,5%	1,536	0,852	1,828	1,015	-1,670	0,000	0,641	-1,423	0,000	0,546
FWT (P)	87%	0,292	0,254	0,292	0,254	-5,914	-0,876	1,085	-1,503	-0,223	0,276
FWT (S)	87%	0,292	0,254	0,292	0,254	-5,914	0,876	1,085	-1,503	0,223	0,276
Total Loadcase	-	-	11,715	2,413	1,523	-1,023	0,000	1,213	-11,990	0,000	14,206
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,213	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,080	0,151	0,204	0,240	0,243	0,215	0,159	0,083	-0,003
Area under GZ curve from zero heel m.deg		0,0000	0,4051	1,5765	3,3658	5,6039	8,0446	10,3552	12,2462	13,4733	13,8769
Displacement t		11,72	11,72	11,71	11,72	11,72	11,72	11,72	11,72	11,72	11,72
Draft at FP m		0,273	0,263	0,232	0,176	0,077	-0,116	-0,486	-1,292	-3,773	n/a
Draft at AP m		1,165	1,158	1,131	1,063	0,936	0,774	0,561	0,209	-0,752	n/a
Draft at LCF m		0,781	0,773	0,741	0,674	0,550	0,357	0,057	-0,528	-2,241	n/a
Draft Amidships m		0,719	0,711	0,682	0,619	0,507	0,329	0,037	-0,541	-2,262	n/a
WL Length m		12,705	12,693	12,654	12,551	12,379	12,272	12,224	12,235	12,736	13,209
Beam max extents on WL m		2,537	2,553	2,558	2,512	2,453	2,346	2,270	2,025	1,833	1,709
Wetted Area m^2		33,369	33,284	32,917	32,553	32,752	33,310	33,790	34,115	34,279	34,645
Waterpl. Area m^2		27,981	27,818	27,177	26,522	25,781	23,836	22,123	20,523	19,287	18,735
Prismatic coeff. (Cp)		0,627	0,631	0,644	0,668	0,698	0,731	0,766	0,801	0,800	0,794
Block coeff. (Cb)		0,467	0,477	0,462	0,445	0,451	0,476	0,501	0,567	0,548	0,470
LCB from amidsh. (+ve aft) m		1,068	1,068	1,067	1,065	1,061	1,058	1,056	1,058	1,059	1,061
LCF from amidsh. (+ve aft) m		0,937	0,929	0,880	0,818	0,673	0,419	0,247	0,121	0,092	0,053
KB m		0,547	0,564	0,613	0,687	0,781	0,880	0,975	1,061	1,138	1,209
KG fluid m		1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213	1,213
BMT m		1,136	1,123	1,068	1,016	0,940	0,747	0,612	0,503	0,429	0,398
BML m		27,254	26,916	25,994	25,498	24,884	23,181	21,978	21,367	20,618	20,717
GMt corrected m		0,468	0,448	0,373	0,290	0,174	-0,060	-0,236	-0,378	-0,474	-0,512
GML m		26,586	26,242	25,299	24,772	24,119	22,374	21,130	20,486	19,715	19,807
KMt m		1,680	1,667	1,615	1,565	1,500	1,360	1,281	1,233	1,212	1,209
KML m		27,740	27,014	24,990	22,732	19,821	15,767	11,955	8,364	4,716	1,209
KN m		0,000	0,291	0,566	0,810	1,019	1,172	1,265	1,299	1,277	1,209
Max deck inclination deg		3,8195	10,6826	20,3110	30,1634	40,0827	50,0440	60,0254	70,0154	80,0078	90,0000
Trim angle (+ve by stern) deg		3,8195	3,8347	3,8466	3,8005	3,6817	3,8108	4,4821	6,4140	12,7409	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan
 Lengan Stabilitas 10 GT (U) rasio 2,8

Kriteria 10 GT (U) rasio 2,8

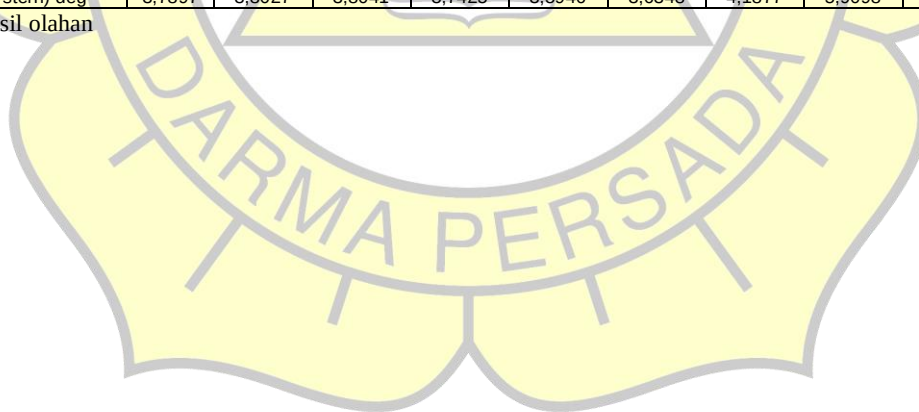
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	3,3658	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	5,6039	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,2381	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,246	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	45,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels $\geq 24\text{m}$ in length	0,350	m	0,468	Pass

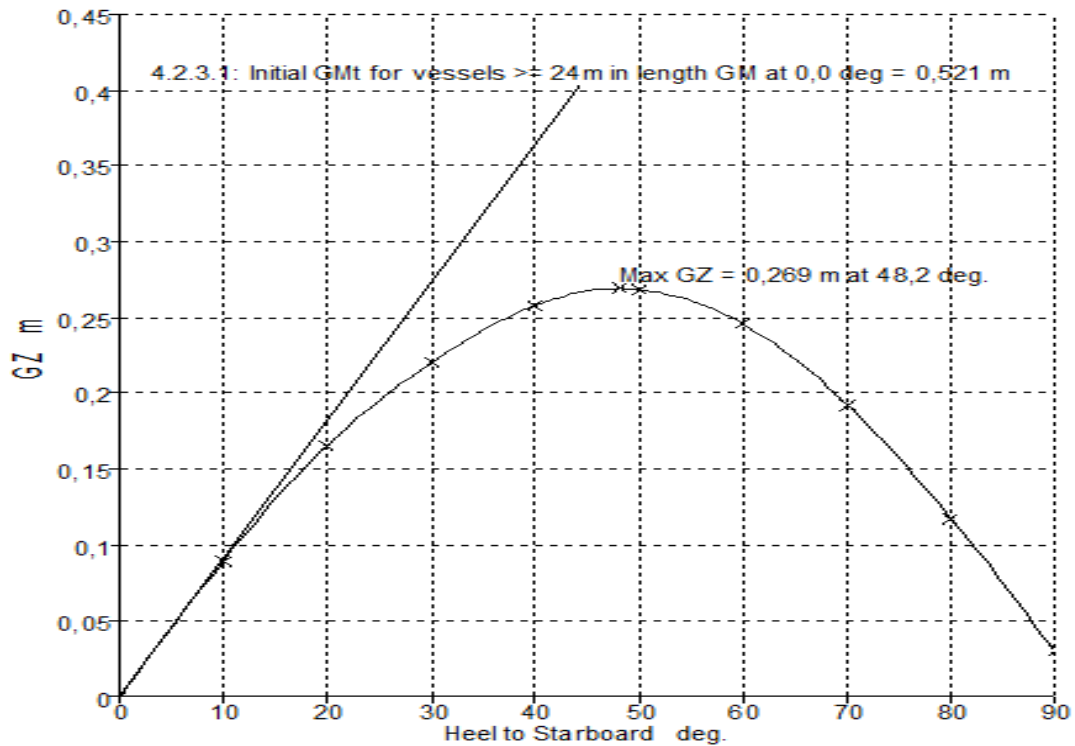
Sumber : Data hasil olahan

10 GT (U) Rasio 3

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,997	0,000	1,330	-7,234	0,000	9,650
Bekal	0,5	0,073	0,037	-	-	-3,197	0,000	0,800	-0,117	0,000	0,029
Crew	7	0,075	0,525	-	-	-3,197	0,000	1,900	-1,678	0,000	0,997
CF	0,765	2,500	1,913	-	-	0,881	0,000	0,716	1,685	0,000	1,369
Fuel Oil	56%	1,536	0,860	1,828	1,024	-1,670	0,000	0,643	-1,436	0,000	0,553
FWT (P)	70%	0,292	0,205	0,292	0,205	-5,901	-0,866	1,048	-1,207	-0,177	0,214
FWT (S)	70%	0,292	0,205	0,292	0,205	-5,901	0,866	1,048	-1,207	0,177	0,214
Total Loadcase	-	-	10,999	2,413	1,433	-1,018	0,000	1,184	-11,195	0,000	13,028
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluida	-	-	-	-	-	-	-	1,184	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,089	0,166	0,220	0,258	0,268	0,246	0,193	0,117	0,030
Area under GZ curve from zero heel m.deg		0,0000	0,4503	1,7396	3,6832	6,0921	8,7521	11,3491	13,5622	15,1256	15,8668
Displacement t		11,00	11,00	11,00	11,00	11,00	11,00	11,00	11,00	11,00	11,00
Draft at FP m		0,252	0,241	0,210	0,153	0,053	-0,140	-0,514	-1,332	-3,854	n/a
Draft at AP m		1,137	1,129	1,099	1,026	0,892	0,709	0,464	0,051	-1,086	n/a
Draft at LCF m		0,757	0,748	0,713	0,643	0,518	0,312	-0,004	-0,626	-2,446	n/a
Draft Amidships m		0,694	0,685	0,655	0,589	0,472	0,284	-0,025	-0,640	-2,470	n/a
WL Length m		12,679	12,666	12,626	12,497	12,333	12,227	12,185	12,194	12,695	13,181
Beam max extents on WL m		2,524	2,536	2,528	2,469	2,434	2,301	2,210	2,010	1,817	1,693
Wetted Area m^2		32,573	32,444	31,982	31,559	31,706	32,314	32,659	32,989	33,150	33,517
Waterpl. Area m^2		27,645	27,404	26,614	25,880	25,531	23,743	21,907	20,327	19,098	18,548
Prismatic coeff. (Cp)		0,618	0,622	0,636	0,663	0,693	0,726	0,763	0,800	0,801	0,797
Block coeff. (Cb)		0,457	0,468	0,456	0,442	0,444	0,476	0,507	0,568	0,557	0,473
LCB from amidsh. (+ve aft) m		1,061	1,061	1,060	1,058	1,054	1,051	1,048	1,050	1,051	1,053
LCF from amidsh. (+ve aft) m		0,956	0,943	0,884	0,819	0,723	0,443	0,287	0,144	0,116	0,074
KB m		0,531	0,549	0,599	0,673	0,768	0,872	0,971	1,061	1,141	1,214
KG fluid m		1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184
BMT m		1,176	1,154	1,081	1,017	0,991	0,792	0,638	0,524	0,444	0,413
BML m		28,393	27,937	26,816	26,247	26,070	24,432	22,906	22,393	21,605	21,730
GMt corrected m		0,521	0,491	0,395	0,298	0,230	-0,016	-0,214	-0,367	-0,475	-0,518
GML m		27,738	27,275	26,131	25,528	25,309	23,625	22,053	21,502	20,686	20,799
KMt m		1,705	1,683	1,612	1,552	1,527	1,380	1,290	1,240	1,218	1,214
KML m		28,862	28,003	25,748	23,367	20,716	16,563	12,416	8,715	4,890	1,214
KN m		0,000	0,295	0,571	0,812	1,020	1,176	1,271	1,306	1,284	1,214
Max deck inclination deg		3,7897	10,6716	20,3042	30,1585	40,0789	50,0400	60,0221	70,0131	80,0065	90,0000
Trim angle (+ve by stern) deg		3,7897	3,8027	3,8041	3,7425	3,5946	3,6348	4,1877	5,9098	11,7075	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan
Lengan Stabilitas 10 GT (U) rasio 3,0

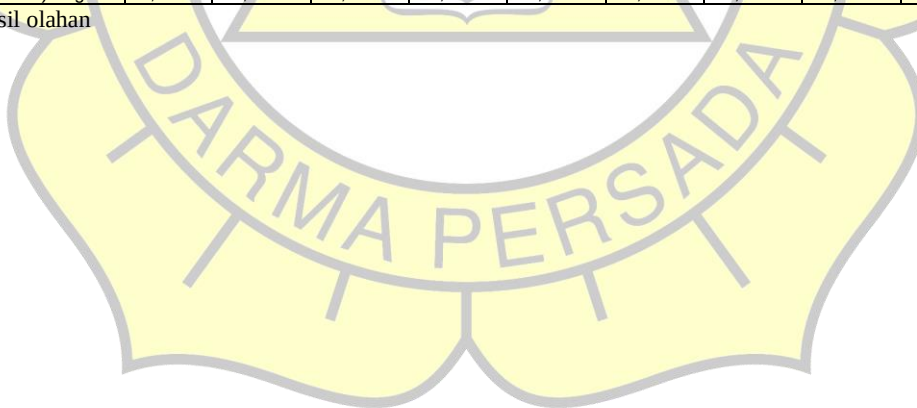
Kriteria 10 GT (U) rasio 3,0

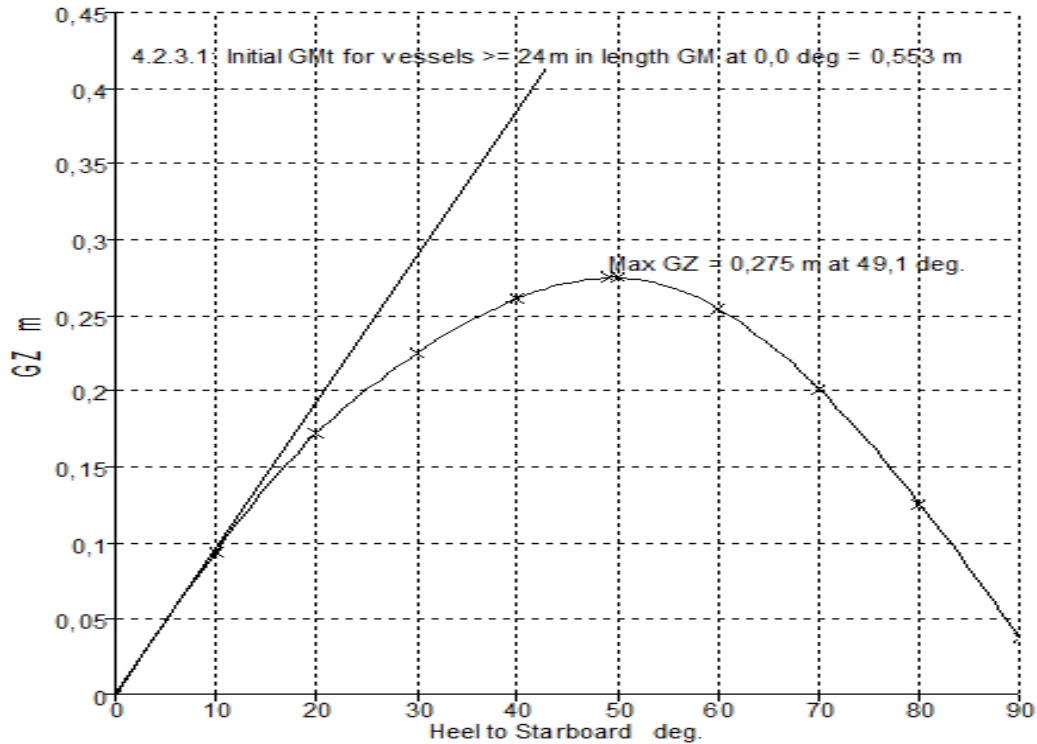
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	3,6832	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	6,0921	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,4089	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,269	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	48,2	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,521	Pass

10 GT (U) Rasio 3,20

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,997	0,000	1,330	-7,234	0,000	9,650
Bekal	0,5	0,073	0,037	-	-	-3,197	0,000	0,800	-0,117	0,000	0,029
Crew	7	0,075	0,525	-	-	-3,197	0,000	1,900	-1,678	0,000	0,997
CF	0,5	2,500	1,250	-	-	0,881	0,000	0,468	1,101	0,000	0,585
Fuel Oil	70%	1,536	1,075	1,828	1,280	-1,670	0,000	0,710	-1,795	0,000	0,763
FWT (P)	29%	0,292	0,085	0,292	0,085	-5,830	-0,823	0,947	-0,494	-0,070	0,080
FWT (S)	29%	0,292	0,085	0,292	0,085	-5,830	0,823	0,947	-0,494	0,070	0,080
Total Loadcase	-	-	10,312	2,413	1,449	-1,039	0,000	1,182	-10,712	0,000	12,186
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,182	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,094	0,172	0,225	0,261	0,275	0,254	0,201	0,126	0,038
Area under GZ curve from zero heel m.deg		0,0000	0,4758	1,8236	3,8250	6,2693	8,9739	11,6500	13,9526	15,6041	16,4292
Displacement t		10,31	10,31	10,31	10,31	10,31	10,31	10,31	10,31	10,31	10,31
Draft at FP m		0,223	0,212	0,180	0,120	0,017	-0,176	-0,559	-1,396	-3,985	n/a
Draft at AP m		1,115	1,107	1,074	0,998	0,858	0,658	0,387	-0,079	-1,359	n/a
Draft at LCF m		0,735	0,725	0,687	0,614	0,487	0,272	-0,062	-0,717	-2,642	n/a
Draft Amidships m		0,669	0,660	0,627	0,559	0,438	0,241	-0,086	-0,737	-2,672	n/a
WL Length m		12,645	12,632	12,566	12,426	12,266	12,166	12,130	12,139	12,635	13,141
Beam max extents on WL m		2,511	2,521	2,498	2,426	2,405	2,297	2,195	1,992	1,798	1,671
Wetted Area m^2		31,770	31,593	31,061	30,569	30,646	31,244	31,531	31,795	32,039	32,409
Waterpl. Area m^2		27,266	26,947	26,032	25,227	25,133	23,493	21,599	19,989	18,868	18,323
Prismatic coeff. (Cp)		0,608	0,612	0,629	0,657	0,688	0,721	0,759	0,798	0,801	0,796
Block coeff. (Cb)		0,447	0,458	0,450	0,438	0,438	0,466	0,501	0,568	0,562	0,474
LCB from amidsh. (+ve aft) m		1,083	1,083	1,082	1,080	1,076	1,072	1,069	1,069	1,071	1,073
LCF from amidsh. (+ve aft) m		0,988	0,969	0,900	0,836	0,791	0,500	0,340	0,208	0,154	0,109
KB m		0,518	0,536	0,587	0,661	0,757	0,865	0,968	1,060	1,143	1,220
KG fluid m		1,182	1,182	1,182	1,182	1,182	1,182	1,182	1,182	1,182	1,182
BMT m		1,218	1,185	1,093	1,019	1,034	0,833	0,659	0,529	0,458	0,428
BML m		29,484	28,902	27,645	26,967	27,009	25,336	23,749	23,078	22,540	22,711
GML corrected m		0,553	0,512	0,396	0,287	0,259	0,012	-0,209	-0,379	-0,479	-0,524
GML m		28,819	28,228	26,948	26,235	26,234	24,514	22,881	22,170	21,602	21,759
KMt m		1,733	1,701	1,611	1,542	1,548	1,400	1,298	1,241	1,223	1,220
KML m		29,937	28,937	26,513	23,978	21,423	17,137	12,835	8,949	5,055	1,220
KN m		0,000	0,299	0,576	0,816	1,021	1,180	1,278	1,312	1,290	1,220
Max deck inclination deg		3,8206	10,6818	20,3077	30,1597	40,0790	50,0386	60,0207	70,0118	80,0059	90,0000
Trim angle (+ve by stern) deg		3,8206	3,8326	3,8264	3,7568	3,5987	3,5716	4,0520	5,6308	11,1198	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan
Lengan Stabilitas 10 GT (U) rasio 3,20

Kriteria 10 GT (U) rasio 3,20

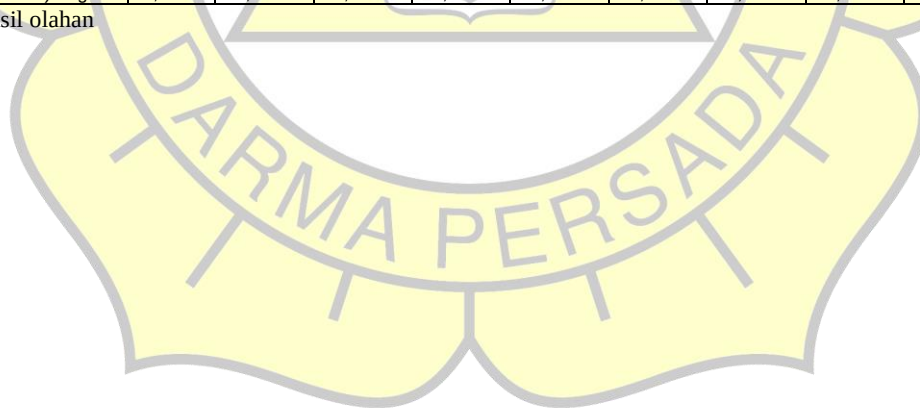
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	3,6306	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	5,9149	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,2842	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,261	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	50,9	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,533	Pass

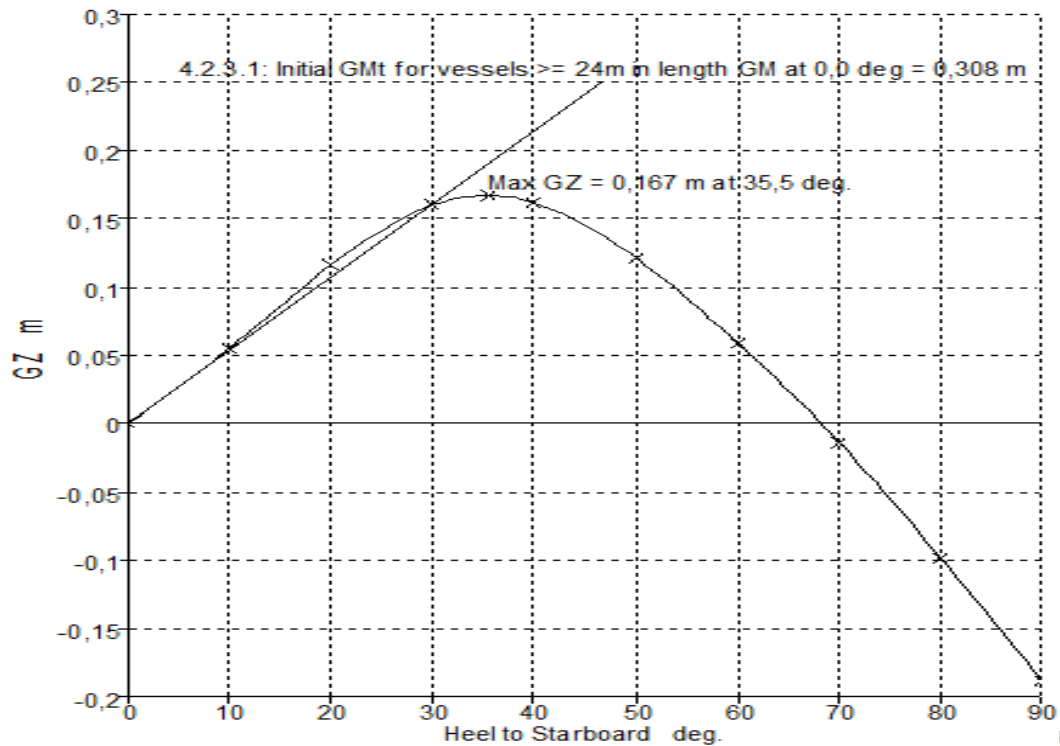
Sumber : Data hasil olahan

10 GT (V) Rasio 2,4

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,658	0,000	1,330	-4,774	0,000	9,650
Bekal	1	0,073	0,073	-	-	-2,858	0,000	1,600	-0,210	0,000	0,118
Crew	7	0,075	0,525	-	-	-2,858	0,000	1,900	-1,500	0,000	0,997
CF	1,515	2,500	3,787	-	-	0,770	0,000	1,420	2,916	0,000	5,378
Fuel Oil	100%	0,900	0,900	1,071	1,071	-1,331	0,000	0,646	-1,198	0,000	0,581
FWT (P)	100%	0,563	0,563	0,563	0,563	-5,116	-0,914	1,126	-2,879	-0,515	0,634
FWT (S)	100%	0,563	0,563	0,563	0,563	-5,116	0,914	1,126	-2,879	0,515	0,634
Total Loadcase	-	-	13,668	2,197	2,197	-0,770	0,000	1,316	-10,524	0,000	17,993
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,316	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,056	0,116	0,160	0,162	0,122	0,060	-0,013	-0,098	-0,188
Area under GZ curve from zero heel m.deg		0,0000	0,2743	1,1359	2,5451	4,1963	5,6427	6,5607	6,8015	6,2531	4,8259
Displacement t		13,67	13,67	13,67	13,67	13,67	13,67	13,67	13,67	13,67	13,67
Draft at FP m		0,622	0,617	0,605	0,580	0,518	0,400	0,198	-0,209	-1,530	n/a
Draft at AP m		1,105	1,101	1,080	1,013	0,909	0,792	0,633	0,364	-0,342	n/a
Draft at LCF m		0,899	0,894	0,874	0,821	0,727	0,602	0,416	0,077	-0,940	n/a
Draft Amidships m		0,863	0,859	0,843	0,796	0,714	0,596	0,416	0,078	-0,936	n/a
WL Length m		12,642	12,649	12,652	12,646	12,537	12,472	12,307	11,833	12,204	12,627
Beam max extents on WL m		2,593	2,632	2,712	2,642	2,385	2,196	2,202	1,967	1,689	1,593
Wetted Area m^2		36,076	36,092	35,637	35,003	35,615	36,071	36,232	35,952	35,968	36,217
Waterpl. Area m^2		27,273	27,549	27,423	26,340	23,455	21,359	20,065	18,880	17,594	17,090
Prismatic coeff. (Cp)		0,650	0,650	0,655	0,670	0,692	0,717	0,750	0,807	0,814	0,817
Block coeff. (Cb)		0,492	0,495	0,452	0,415	0,438	0,467	0,475	0,560	0,650	0,570
LCB from amidsh. (+ve aft) m		0,797	0,797	0,795	0,792	0,787	0,786	0,784	0,783	0,783	0,784
LCF from amidsh. (+ve aft) m		0,932	0,932	0,839	0,730	0,439	0,199	0,020	-0,011	-0,036	-0,080
KB m		0,615	0,631	0,679	0,751	0,827	0,895	0,960	1,023	1,079	1,129
KG fluid m		1,316	1,316	1,316	1,316	1,316	1,316	1,316	1,316	1,316	1,316
BMT m		1,010	1,046	1,061	0,941	0,653	0,497	0,425	0,370	0,302	0,278
BML m		20,571	20,633	19,840	19,354	18,063	17,077	16,428	15,301	14,842	14,921
GMt corrected m		0,308	0,339	0,340	0,195	-0,122	-0,303	-0,391	-0,450	-0,509	-0,508
GML m		19,869	19,926	19,119	18,608	17,288	16,277	15,611	14,481	14,031	14,135
KMt m		1,624	1,660	1,675	1,565	1,327	1,215	1,172	1,150	1,132	1,129
KML m		21,171	20,936	19,311	17,504	14,660	11,870	9,173	6,256	3,656	1,129
KN m		0,000	0,284	0,566	0,819	1,008	1,130	1,200	1,224	1,198	1,129
Max deck inclination deg		2,1795	10,2266	20,0969	30,0432	40,0190	50,0095	60,0049	70,0025	80,0013	90,0000
Trim angle (+ve by stern) deg		2,1795	2,1851	2,1416	1,9532	1,7667	1,7689	1,9631	2,5814	5,3451	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan
 Lengan Stabilitas 10 GT (V) rasio 2,4

Kriteria 10 GT (V) rasio 2,4

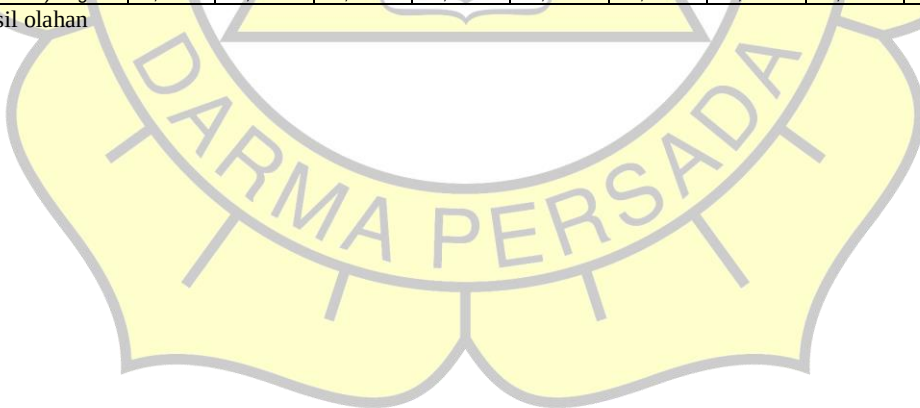
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	2,5451	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	4,1963	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	1,6512	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,167	Fail
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	35,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,308	Fail

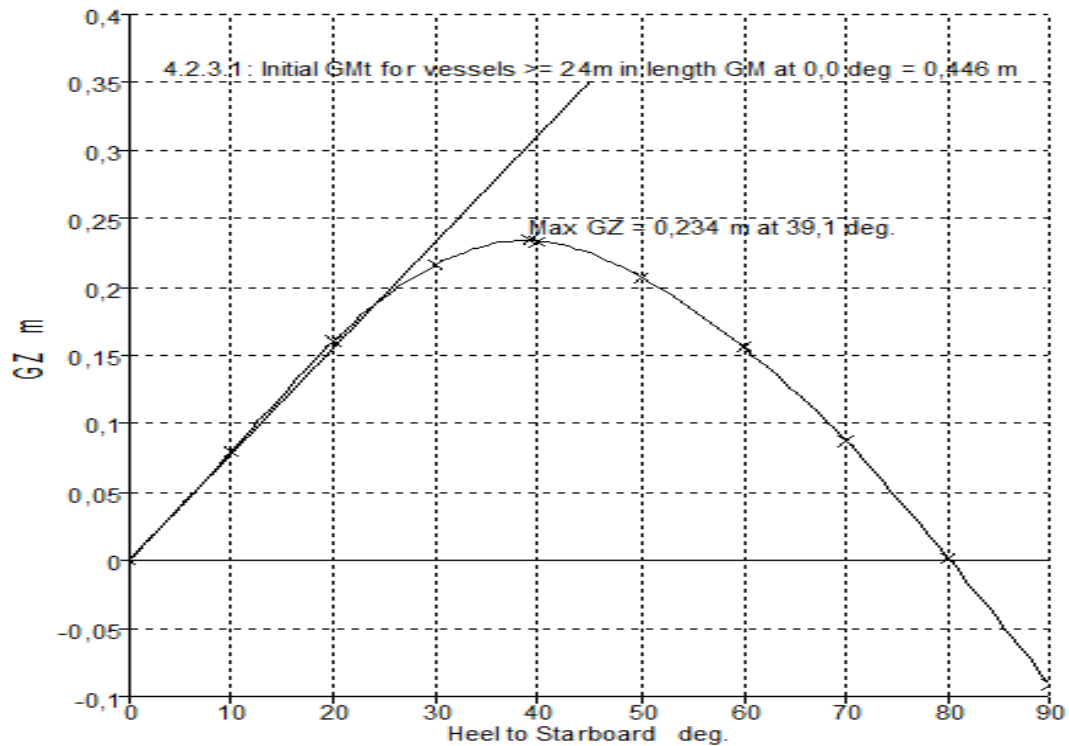
Sumber : Data hasil olahan

10 GT (V) Rasio 2,6

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,658	0,000	1,330	-4,774	0,000	9,650
Bekal	1	0,073	0,073	-	-	-2,858	0,000	1,600	-0,210	0,000	0,118
Crew	7	0,075	0,525	-	-	-2,858	0,000	1,900	-1,500	0,000	0,997
CF	1,095	2,500	2,737	-	-	0,770	0,000	1,026	2,108	0,000	2,809
Fuel Oil	100%	0,900	0,900	1,071	1,071	-1,331	0,000	0,646	-1,198	0,000	0,581
FWT (P)	100%	0,563	0,563	0,563	0,563	-5,116	-0,914	1,126	-2,879	-0,515	0,634
FWT (S)	100%	0,563	0,563	0,563	0,563	-5,116	0,914	1,126	-2,879	0,515	0,634
Total Loadcase	-	-	12,618	2,197	2,197	-0,898	0,000	1,222	-11,333	0,000	15,423
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,222	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,080	0,161	0,217	0,234	0,207	0,156	0,088	0,002	-0,091
Area under GZ curve from zero heel m.deg		0,0000	0,3940	1,6050	3,5211	5,8095	8,0439	9,8750	11,1083	11,5671	11,1226
Displacement t		12,62	12,62	12,62	12,62	12,62	12,62	12,62	12,62	12,62	12,62
Draft at FP m		0,536	0,530	0,515	0,482	0,411	0,278	0,044	-0,449	-2,027	n/a
Draft at AP m		1,102	1,099	1,078	1,008	0,894	0,761	0,581	0,282	-0,525	n/a
Draft at LCF m		0,864	0,859	0,837	0,779	0,673	0,530	0,318	-0,078	-1,267	n/a
Draft Amidships m		0,819	0,814	0,796	0,745	0,653	0,519	0,313	-0,083	-1,276	n/a
WL Length m		12,628	12,633	12,630	12,613	12,487	12,420	11,800	11,676	12,032	12,472
Beam max extents on WL m		2,581	2,620	2,686	2,573	2,382	2,238	2,224	1,845	1,653	1,561
Wetted Area m^2		34,875	34,865	34,267	33,479	33,895	34,287	34,361	34,202	34,237	34,490
Waterpl. Area m^2		26,845	27,078	26,652	25,560	23,129	21,135	19,814	18,301	17,103	16,634
Prismatic coeff. (Cp)		0,641	0,642	0,648	0,664	0,686	0,709	0,771	0,808	0,816	0,818
Block coeff. (Cb)		0,483	0,485	0,441	0,411	0,425	0,445	0,472	0,584	0,648	0,560
LCB from amidsh. (+ve aft) m		0,926	0,926	0,925	0,922	0,919	0,916	0,914	0,915	0,915	0,917
LCF from amidsh. (+ve aft) m		1,001	1,004	0,915	0,818	0,532	0,287	0,119	0,098	0,074	0,026
KB m		0,599	0,615	0,665	0,737	0,817	0,890	0,959	1,025	1,081	1,131
KG fluid m		1,222	1,222	1,222	1,222	1,222	1,222	1,222	1,222	1,222	1,222
BMT m		1,070	1,105	1,082	0,957	0,696	0,536	0,458	0,370	0,309	0,282
BML m		21,416	21,424	20,430	19,898	18,747	17,741	16,918	15,751	15,209	15,332
GMt corrected m		0,446	0,474	0,430	0,272	-0,029	-0,228	-0,338	-0,447	-0,517	-0,536
GML m		20,792	20,793	19,778	19,213	18,021	16,977	16,121	14,933	14,383	14,514
KMt m		1,668	1,702	1,681	1,566	1,350	1,235	1,188	1,152	1,135	1,131
KML m		21,994	21,693	19,846	17,959	15,172	12,290	9,416	6,411	3,721	1,131
KN m		0,000	0,292	0,579	0,828	1,019	1,144	1,215	1,236	1,206	1,131
Max deck inclination deg		2,5561	10,3115	20,1360	30,0637	40,0290	50,0144	60,0074	70,0040	80,0021	90,0000
Trim angle (+ve by stern) deg		2,5561	2,5674	2,5390	2,3713	2,1792	2,1822	2,4235	3,2937	6,7480	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan
 Lengan Stabilitas 10 GT (V) rasio 2,6

Kriteria 10 GT (V) rasio 2,6

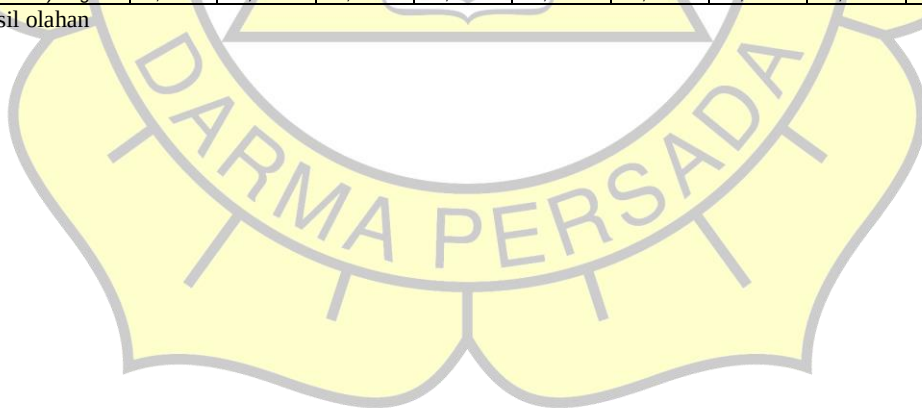
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	3,5211	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	5,8095	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,2884	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,234	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	39,1	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,446	Pass

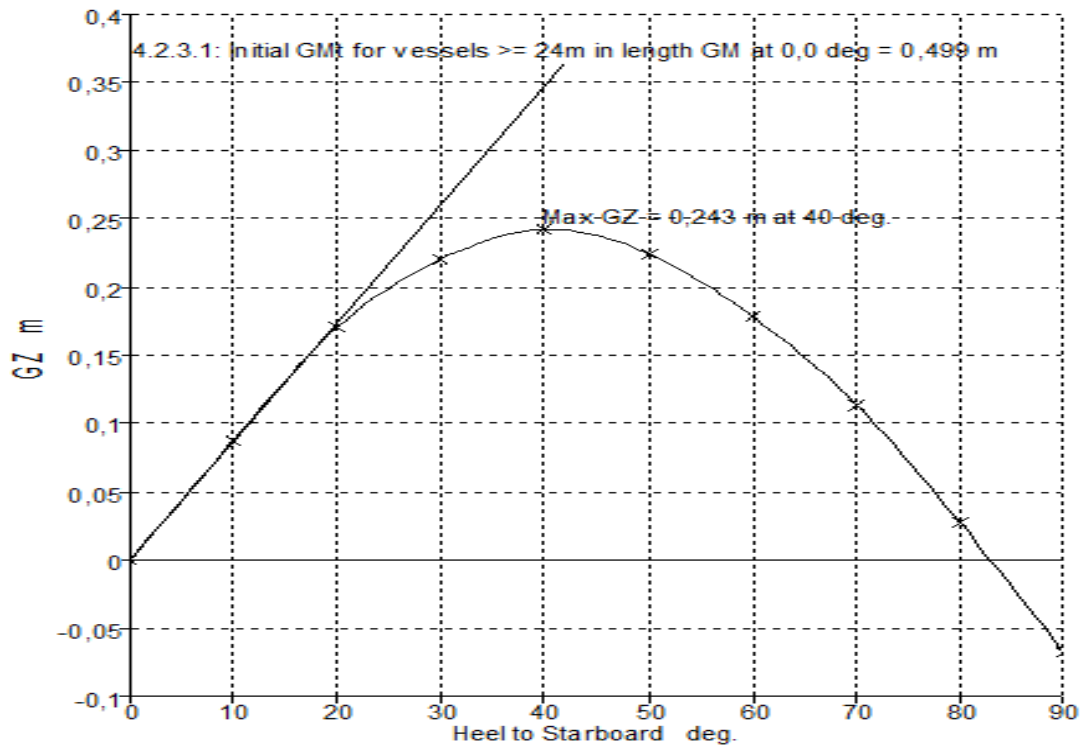
Sumber : Data hasil olahan

10 GT (V) Rasio 2,8

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,658	0,000	1,330	-4,777	0,000	9,650
Bekal	1	0,073	0,073	-	-	-2,858	0,000	1,600	-0,210	0,000	0,118
Crew	7	0,075	0,525	-	-	-2,858	0,000	1,900	-1,501	0,000	0,997
CF	1	2,500	2,500	-	-	0,770	0,000	0,937	1,924	0,000	2,342
Fuel Oil	94,5%	0,900	0,851	1,071	1,013	-1,331	0,000	0,631	-1,132	0,000	0,536
FWT (P)	45%	0,563	0,253	0,563	0,253	-5,092	-0,912	0,920	-1,289	-0,231	0,233
FWT (S)	45%	0,563	0,253	0,563	0,253	-5,092	0,912	0,920	-1,289	0,231	0,233
Total Loadcase	-	-	11,711	2,197	1,519	-0,707	0,000	1,205	-8,275	0,000	14,110
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,205	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,088	0,170	0,221	0,243	0,224	0,179	0,114	0,028	-0,067
Area under GZ curve from zero heel m.deg		0,0000	0,4385	1,7478	3,7302	6,0759	8,4413	10,4727	11,9536	12,6750	12,4799
Displacement t		11,71	11,71	11,71	11,71	11,71	11,71	11,71	11,71	11,71	11,71
Draft at FP m		0,564	0,560	0,551	0,524	0,463	0,347	0,142	-0,294	-1,718	n/a
Draft at AP m		1,024	1,019	0,987	0,903	0,759	0,573	0,311	-0,150	-1,424	n/a
Draft at LCF m		0,830	0,823	0,797	0,735	0,623	0,464	0,227	-0,222	-1,571	n/a
Draft Amidships m		0,794	0,789	0,769	0,713	0,611	0,460	0,226	-0,222	-1,571	n/a
WL Length m		12,628	12,635	12,641	12,628	12,508	12,467	12,168	11,764	12,137	12,574
Beam max extents on WL m		2,565	2,604	2,666	2,510	2,389	2,232	2,259	1,857	1,655	1,560
Wetted Area m^2		34,201	34,011	33,224	32,469	32,768	33,231	33,315	32,953	32,948	33,206
Waterpl. Area m^2		26,746	26,756	25,949	24,809	23,399	21,433	20,106	18,365	17,122	16,655
Prismatic coeff. (Cp)		0,627	0,628	0,638	0,652	0,672	0,694	0,735	0,791	0,802	0,809
Block coeff. (Cb)		0,466	0,468	0,430	0,406	0,407	0,430	0,442	0,581	0,669	0,601
LCB from amidsh. (+ve aft) m		0,729	0,729	0,728	0,724	0,720	0,716	0,711	0,711	0,710	0,712
LCF from amidsh. (+ve aft) m		0,975	0,935	0,808	0,707	0,513	0,237	0,042	0,015	0,004	-0,043
KB m		0,572	0,589	0,640	0,711	0,795	0,875	0,952	1,024	1,084	1,138
KG fluid m		1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205
BMT m		1,133	1,148	1,081	0,942	0,782	0,601	0,517	0,402	0,325	0,303
BML m		23,091	22,628	21,328	20,817	20,642	19,635	18,748	17,378	16,670	16,814
GML corrected m		0,499	0,507	0,417	0,244	0,043	-0,180	-0,299	-0,440	-0,529	-0,548
GML m		22,458	21,987	20,665	20,118	19,902	18,854	17,932	16,536	15,815	15,963
KMT m		1,704	1,719	1,655	1,527	1,394	1,261	1,210	1,161	1,140	1,138
KML m		23,648	22,860	20,671	18,732	16,605	13,495	10,326	6,968	3,978	1,138
KN m		0,000	0,297	0,583	0,823	1,017	1,147	1,222	1,246	1,214	1,138
Max deck inclination deg		2,0797	10,2048	20,0820	30,0332	40,0109	50,0032	60,0007	70,0002	80,0001	90,0000
Trim angle (+ve by stern) deg		2,0797	2,0762	1,9694	1,7115	1,3363	1,0256	0,7616	0,6507	1,3307	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan
 Lengan Stabilitas 10 GT (V) rasio 2,8

Kriteria 10 GT (V) rasio 2,8

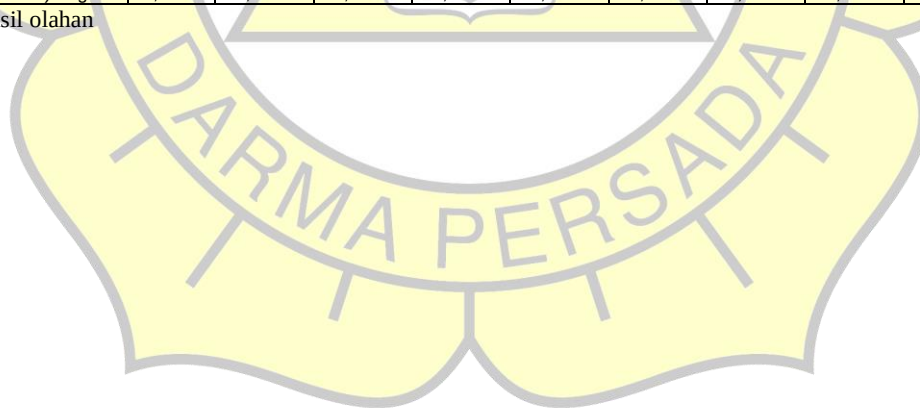
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	3,7302	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	6,0759	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,3457	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,243	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	40,0	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,499	Pass

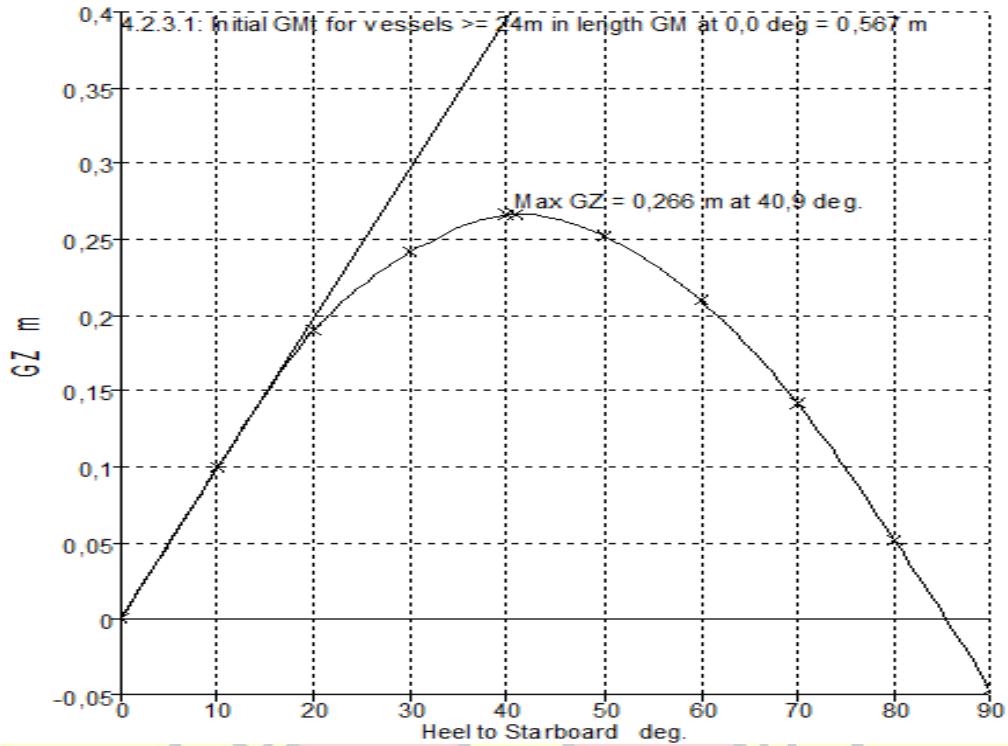
Sumber : Data hasil olahan

10 GT (V) Rasio 3,0

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,658	0,000	1,330	-4,774	0,000	9,650
Bekal	1	0,073	0,073	-	-	-2,858	0,000	1,600	-0,210	0,000	0,118
Crew	7	0,075	0,525	-	-	-2,858	0,000	1,900	-1,500	0,000	0,997
CF	0,7	2,500	1,750	-	-	0,770	0,000	0,655	1,347	0,000	1,146
Fuel Oil	70%	0,900	0,630	1,071	0,750	-1,331	0,000	0,562	-0,838	0,000	0,354
FWT (P)	62%	0,563	0,349	0,563	0,349	-5,104	-0,913	0,984	-1,781	-0,319	0,343
FWT (S)	62%	0,563	0,349	0,563	0,349	-5,104	0,913	0,984	-1,781	0,319	0,343
Total Loadcase	-	-	10,932	2,197	1,448	-0,872	0,000	1,185	-9,537	0,000	12,953
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,185	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,100	0,190	0,241	0,266	0,252	0,210	0,142	0,052	-0,046
Area under GZ curve from zero heel m.deg		0,0000	0,4987	1,9704	4,1568	6,7203	9,3401	11,6696	13,4492	14,4334	14,4682
Displacement t		10,93	10,93	10,93	10,93	10,93	10,93	10,93	10,93	10,93	10,93
Draft at FP m		0,477	0,471	0,457	0,422	0,352	0,219	-0,020	-0,554	-2,243	n/a
Draft at AP m		1,038	1,034	1,003	0,919	0,773	0,584	0,317	-0,141	-1,420	n/a
Draft at LCF m		0,804	0,798	0,769	0,702	0,583	0,411	0,154	-0,341	-1,823	n/a
Draft Amidships m		0,758	0,752	0,730	0,671	0,562	0,401	0,148	-0,348	-1,832	n/a
WL Length m		12,598	12,602	12,602	12,584	12,456	12,359	11,542	11,585	11,936	12,394
Beam max extents on WL m		2,557	2,596	2,617	2,454	2,357	2,235	2,276	1,778	1,622	1,530
Wetted Area m^2		33,156	32,970	32,036	31,209	31,350	31,715	31,622	31,392	31,579	31,845
Waterpl. Area m^2		26,317	26,316	25,239	24,092	22,915	21,045	19,531	17,621	16,649	16,216
Prismatic coeff. (Cp)		0,621	0,623	0,634	0,650	0,669	0,693	0,768	0,798	0,810	0,815
Block coeff. (Cb)		0,459	0,462	0,426	0,403	0,402	0,421	0,451	0,597	0,670	0,581
LCB from amidsh. (+ve aft) m		0,900	0,900	0,899	0,895	0,891	0,887	0,882	0,882	0,882	0,884
LCF from amidsh. (+ve aft) m		1,054	1,027	0,910	0,804	0,626	0,352	0,209	0,196	0,128	0,076
KB m		0,562	0,580	0,632	0,703	0,789	0,873	0,953	1,025	1,084	1,139
KG fluid m		1,185	1,185	1,185	1,185	1,185	1,185	1,185	1,185	1,185	1,185
BMT m		1,190	1,204	1,090	0,947	0,814	0,634	0,530	0,387	0,329	0,305
BML m		23,690	23,241	21,788	21,285	20,916	19,818	18,434	17,079	16,832	17,033
GMt corrected m		0,567	0,572	0,432	0,251	0,073	-0,152	-0,297	-0,471	-0,546	-0,571
GML m		23,067	22,609	21,130	20,590	20,176	19,032	17,607	16,222	15,957	16,158
KMt m		1,751	1,765	1,656	1,523	1,412	1,280	1,218	1,157	1,141	1,139
KML m		24,229	23,446	21,090	19,127	16,806	13,609	10,169	6,866	4,007	1,139
KN m		0,000	0,305	0,595	0,834	1,028	1,160	1,236	1,255	1,219	1,139
Max deck inclination deg		2,5312	10,3046	20,1280	30,0568	40,0220	50,0082	60,0029	70,0013	80,0006	90,0000
Trim angle (+ve by stern) deg		2,5312	2,5381	2,4622	2,2388	1,8966	1,6473	1,5236	1,8628	3,7063	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan

Lengan Stabilitas 10 GT (V) rasio 3,0

Kriteria 10 GT (V) rasio 3,0

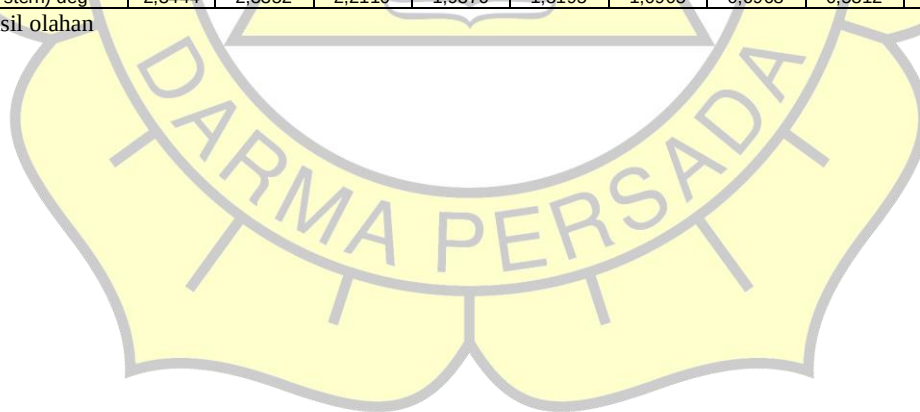
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	4,1568	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	6,7203	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,5636	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,266	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	40,9	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,567	Pass

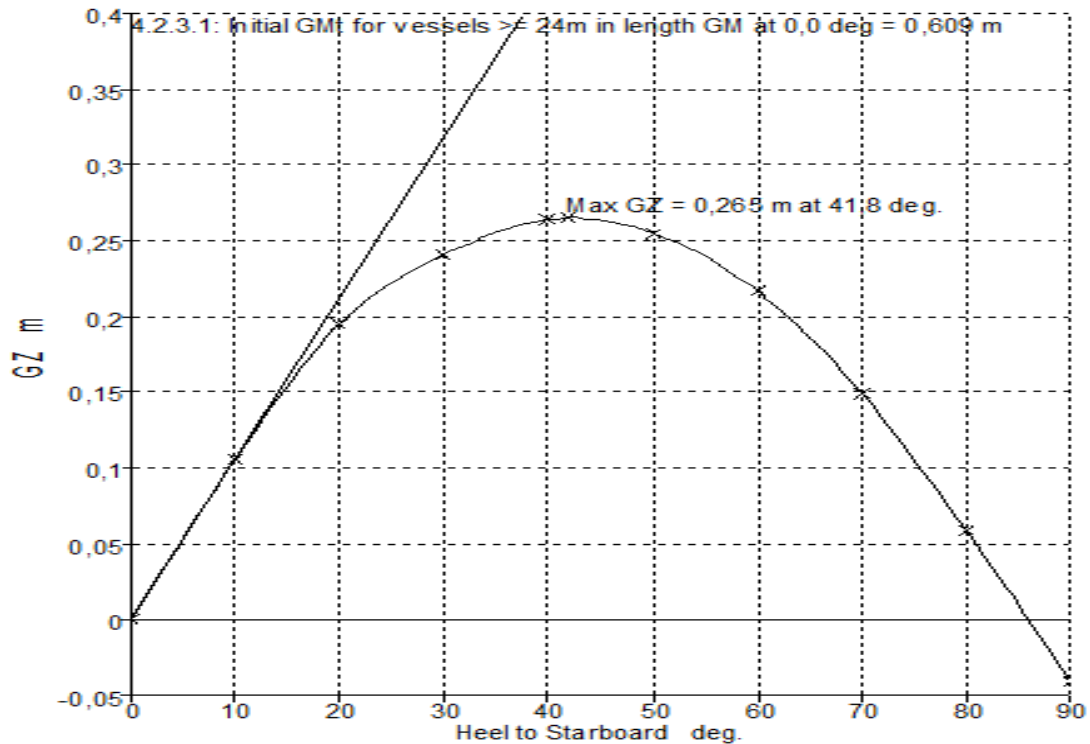
Sumber : Data hasil olahan

10 GT (V) Rasio 3,20

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	7,256	7,256	-	-	-0,658	0,000	1,330	-4,774	0,000	9,650
Bekal	1	0,073	0,073	-	-	-2,858	0,000	1,600	-0,210	0,000	0,118
Crew	7	0,075	0,525	-	-	-2,858	0,000	1,900	-1,500	0,000	0,997
CF	0,5	2,500	1,250	-	-	0,770	0,000	0,468	0,962	0,000	0,585
Fuel Oil	98%	0,900	0,882	1,071	1,050	-1,331	0,000	0,640	-1,174	0,000	0,565
FWT (P)	23%	0,563	0,129	0,563	0,129	-5,051	-0,907	0,835	-0,654	-0,117	0,108
FWT (S)	23%	0,563	0,129	0,563	0,129	-5,051	0,907	0,835	-0,654	0,117	0,108
Total Loadcase	-	-	10,245	2,197	1,309	-0,781	0,000	1,184	-8,004	0,000	12,132
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,184	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,106	0,195	0,241	0,264	0,255	0,217	0,149	0,059	-0,041
Area under GZ curve from zero heel m.deg		0,0000	0,5318	2,0632	4,2699	6,8135	9,4356	11,8186	13,6712	14,7231	14,8148
Displacement t		10,25	10,25	10,25	10,25	10,25	10,25	10,25	10,25	10,24	10,25
Draft at FP m		0,476	0,471	0,460	0,427	0,360	0,234	0,006	-0,514	-2,165	n/a
Draft at AP m		0,995	0,989	0,950	0,857	0,697	0,476	0,160	-0,396	-1,952	n/a
Draft at LCF m		0,779	0,770	0,738	0,668	0,545	0,362	0,085	-0,453	-2,057	n/a
Draft Amidships m		0,735	0,730	0,705	0,642	0,528	0,355	0,083	-0,455	-2,059	n/a
WL Length m		12,594	12,598	12,600	12,584	12,550	12,392	11,560	11,604	11,960	12,422
Beam max extents on WL m		2,546	2,585	2,562	2,405	2,358	2,243	2,279	1,773	1,616	1,523
Wetted Area m^2		32,561	32,213	31,112	30,321	30,384	30,756	30,645	30,353	30,540	30,807
Waterpl. Area m^2		26,163	25,957	24,573	23,475	22,881	21,094	19,553	17,531	16,568	16,138
Prismatic coeff. (Cp)		0,610	0,612	0,626	0,642	0,654	0,680	0,755	0,787	0,800	0,807
Block coeff. (Cb)		0,446	0,450	0,423	0,398	0,385	0,406	0,437	0,593	0,676	0,605
LCB from amidsh. (+ve aft) m		0,808	0,807	0,806	0,801	0,797	0,791	0,786	0,784	0,784	0,785
LCF from amidsh. (+ve aft) m		1,055	0,994	0,860	0,753	0,627	0,348	0,188	0,179	0,111	0,057
KB m		0,543	0,562	0,615	0,685	0,772	0,861	0,948	1,023	1,086	1,143
KG fluid m		1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184	1,184
BMT m		1,251	1,244	1,082	0,941	0,878	0,692	0,574	0,406	0,346	0,321
BML m		25,048	24,145	22,512	22,030	22,137	21,118	19,676	18,196	17,936	18,156
GMt corrected m		0,609	0,594	0,404	0,225	0,117	-0,114	-0,274	-0,474	-0,552	-0,579
GML m		24,406	23,494	21,835	21,314	21,377	20,312	18,829	17,316	17,038	17,256
KMt m		1,793	1,787	1,630	1,499	1,444	1,306	1,235	1,162	1,146	1,143
KML m		25,570	24,321	21,755	19,755	17,726	14,435	10,786	7,247	4,201	1,143
KN m		0,000	0,311	0,600	0,833	1,025	1,162	1,242	1,262	1,225	1,143
Max deck inclination deg		2,3444	10,2584	20,1032	30,0425	40,0141	50,0036	60,0006	70,0001	80,0000	90,0000
Trim angle (+ve by stern) deg		2,3444	2,3352	2,2110	1,9376	1,5195	1,0905	0,6968	0,5312	0,9574	90,0000

Sumber : Data hasil olahan





Sumber : Data hasil olahan

Lengan Stabilitas 10 GT (V) rasio 3,20

Kriteria 10 GT (V) rasio 3,20

Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	4,2699	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	6,8135	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	2,5436	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,265	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	41,8	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,609	Pass

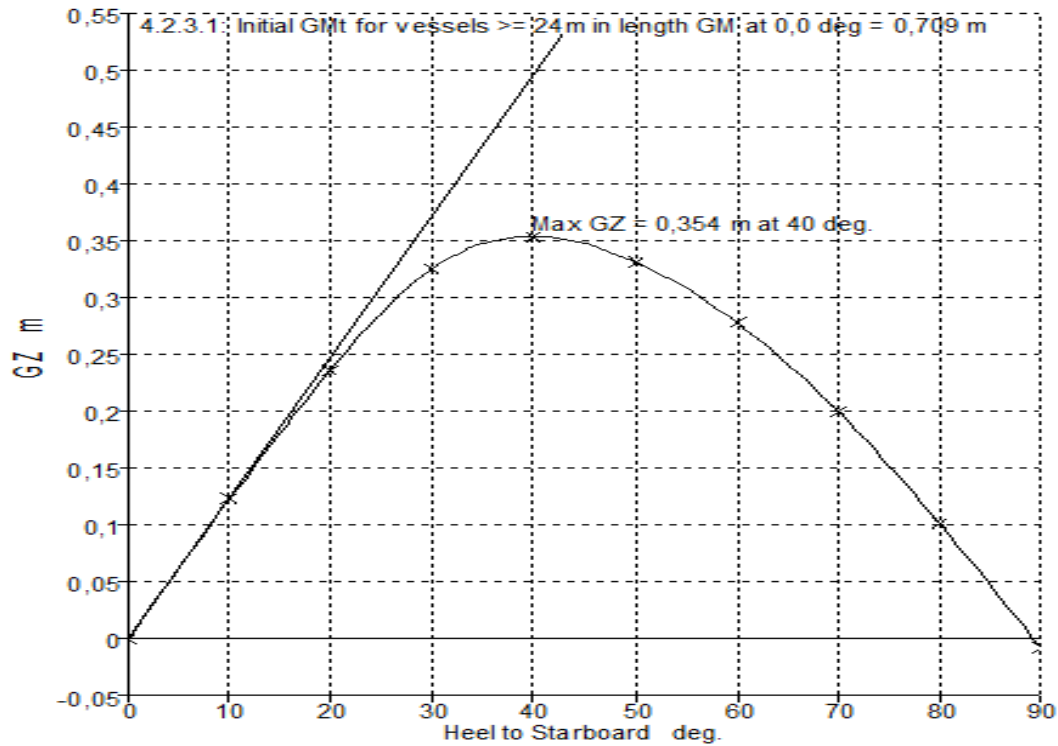
Sumber : Data hasil olahan

Berdasarkan hasil perhitungan menunjukkan bahwa lengan stabilitas kapal 10 GT tipe V rasio 3,20 seluruhnya memenuhi kriteria, sehingga untuk kapal ini aman untuk melakukan penangkapan.

20 GT (U) Rasio 2,36

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,090	0,000	1,523
CF 1	1,736	2,500	4,340	-	-	-0,475	0,000	1,612	-2,062	0,000	6,996
CF 2	1,736	2,500	4,340	-	-	-1,625	0,000	1,612	7,053	0,000	6,996
Fuel Oil	100%	2,504	2,504	2,980	2,980	-2,039	0,000	1,030	-5,104	0,000	2,579
FWT (P)	100%	0,893	0,893	0,893	0,893	-7,435	-1,086	1,677	-6,636	-0,970	1,497
FWT (S)	100%	0,893	0,893	0,893	0,893	-7,435	1,086	1,677	-6,636	0,970	1,497
Total Loadcase	-	-	26,839	4,766	4,766	-1,411	0,000	1,443	-37,871	0,000	38,732
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,443	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,123	0,237	0,326	0,354	0,331	0,278	0,200	0,101	-0,008
Area under GZ curve from zero heel m.deg		0,0000	0,6173	2,4248	5,2749	8,7236	12,1811	15,2502	17,6569	19,1724	19,6393
Displacement t		26,84	26,84	26,84	26,84	26,84	26,84	26,84	26,84	26,84	26,84
Draft at FP m		0,244	0,233	0,196	0,115	-0,047	-0,346	-0,903	-2,069	-5,583	n/a
Draft at AP m		1,658	1,652	1,624	1,558	1,486	1,430	1,398	1,401	1,476	n/a
Draft at LCF m		1,049	1,038	1,003	0,921	0,777	0,577	0,268	-0,322	-2,051	n/a
Draft Amidships m		0,951	0,942	0,910	0,836	0,719	0,542	0,247	-0,334	-2,054	n/a
WL Length m		15,398	15,380	15,317	15,183	15,053	15,026	15,020	15,146	15,452	15,942
Beam max extents on WL m		3,396	3,416	3,425	3,318	3,042	2,949	2,809	2,525	2,312	2,187
Wetted Area m^2		55,068	55,055	54,592	54,484	55,566	56,489	57,254	57,853	58,286	58,740
Waterpl. Area m^2		45,262	45,227	44,422	42,283	37,877	34,752	32,308	30,302	28,785	28,012
Prismatic coeff. (Cp)		0,629	0,632	0,642	0,663	0,698	0,734	0,769	0,798	0,809	0,759
Block coeff. (Cb)		0,479	0,488	0,465	0,459	0,483	0,482	0,491	0,500	0,494	0,447
LCB from amidsh. (+ve aft) m		1,472	1,473	1,472	1,472	1,473	1,476	1,480	1,486	1,490	1,493
LCF from amidsh. (+ve aft) m		1,120	1,096	1,057	0,951	0,604	0,315	0,144	0,060	0,007	-0,024
KB m		0,739	0,761	0,823	0,917	1,015	1,108	1,199	1,285	1,362	1,435
KG fluid m		1,443	1,443	1,443	1,443	1,443	1,443	1,443	1,443	1,443	1,443
BMt m		1,416	1,416	1,368	1,188	0,855	0,690	0,590	0,499	0,435	0,407
BML m		28,457	28,381	27,555	26,692	24,508	22,857	21,711	21,004	20,547	20,476
GML corrected m		0,709	0,699	0,619	0,390	-0,003	-0,228	-0,381	-0,515	-0,606	-0,641
GML m		27,750	27,664	26,807	25,893	23,650	21,938	20,739	19,990	19,506	19,428
KMt m		2,150	2,150	2,104	1,943	1,668	1,551	1,494	1,455	1,438	1,435
KML m		29,088	28,607	26,628	23,964	19,740	15,764	12,027	8,449	4,920	1,435
KN m		0,000	0,373	0,730	1,047	1,281	1,437	1,528	1,556	1,522	1,435
Max deck inclination deg		4,9870	11,1384	20,5309	30,2929	40,1783	50,1188	60,0831	70,0557	80,0288	90,0000
Trim angle (+ve by stern) deg		4,9870	5,0064	5,0392	5,0921	5,4048	6,2568	8,0860	12,0919	23,5481	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan

Lengan Stabilitas 20 GT (U) rasio 2,36

Kriteria 20 GT (U) rasio 2,36

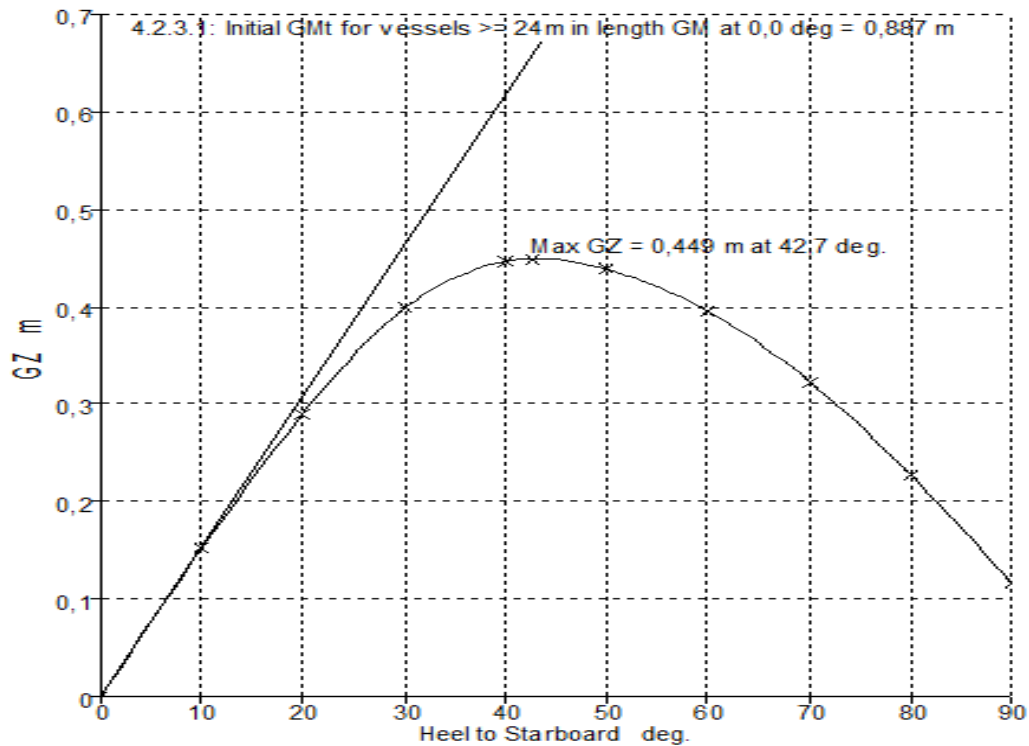
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	5,2749	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	8,7236	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	3,4487	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,354	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	40,0	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,709	Pass

Sumber : Data hasil olahan

20 GT (U) Rasio 2,56

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,090	0,000	1,523
CF 1	1,317	2,500	3,293	-	-	-0,475	0,000	1,223	-1,564	0,000	4,027
CF 2	1,317	2,500	3,293	-	-	1,625	0,000	1,223	5,350	0,000	4,027
Fuel Oil	100%	2,504	2,504	2,980	2,980	-2,039	0,000	1,030	-5,104	0,000	2,579
FWT (P)	100%	0,893	0,893	0,893	0,893	-7,435	-1,086	1,677	-6,636	-0,970	1,497
FWT (S)	100%	0,893	0,893	0,893	0,893	-7,435	1,086	1,677	-6,636	0,970	1,497
Total Loadcase	-	-	24,744	4,766	4,766	-1,579	0,000	1,325	-39,076	0,000	32,793
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,325	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,152	0,290	0,398	0,446	0,439	0,395	0,323	0,227	0,117
Area under GZ curve from zero heel m.deg		0,0000	0,7689	2,9995	6,4820	10,7583	15,2195	19,4120	23,0260	25,7971	27,5244
Displacement t		24,74	24,74	24,74	24,74	24,74	24,74	24,74	24,74	24,74	24,74
Draft at FP m		0,157	0,144	0,101	0,010	-0,161	-0,477	-1,071	-2,323	-6,095	n/a
Draft at AP m		1,643	1,637	1,608	1,538	1,451	1,374	1,309	1,256	1,163	n/a
Draft at LCF m		1,010	1,001	0,963	0,878	0,721	0,503	0,162	-0,493	-2,416	n/a
Draft Amidships m		0,900	0,891	0,854	0,774	0,645	0,448	0,119	-0,534	-2,466	n/a
WL Length m		15,271	15,250	15,175	15,001	14,906	14,861	14,849	14,972	15,274	15,795
Beam max extents on WL m		3,376	3,391	3,380	3,313	2,977	2,876	2,733	2,477	2,273	2,144
Wetted Area m^2		53,289	53,123	52,428	52,042	52,988	53,860	54,611	55,216	55,646	56,006
Waterpl. Area m^2		44,486	44,198	43,033	41,254	37,049	33,982	31,661	29,700	28,196	27,337
Prismatic coeff. (Cp)		0,619	0,622	0,634	0,656	0,688	0,724	0,759	0,789	0,798	0,738
Block coeff. (Cb)		0,467	0,477	0,458	0,448	0,480	0,482	0,491	0,494	0,488	0,440
LCB from amidsh. (+ve aft) m		1,634	1,635	1,636	1,637	1,639	1,642	1,647	1,655	1,661	1,665
LCF from amidsh. (+ve aft) m		1,201	1,197	1,171	1,099	0,765	0,481	0,294	0,184	0,113	0,100
KB m		0,727	0,749	0,813	0,909	1,010	1,106	1,199	1,288	1,368	1,442
KG fluid m		1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,325	1,325
BMT m		1,488	1,472	1,388	1,237	0,889	0,707	0,605	0,511	0,448	0,416
BML m		29,742	29,300	28,195	27,371	25,207	23,508	22,461	21,875	21,427	21,197
GML corrected m		0,887	0,858	0,735	0,523	0,101	-0,159	-0,334	-0,490	-0,602	-0,664
GML m		29,140	28,685	27,542	26,657	24,419	22,642	21,522	20,873	20,377	20,117
KMt m		2,209	2,193	2,112	1,976	1,689	1,559	1,501	1,462	1,445	1,442
KML m		30,344	29,486	27,207	24,533	20,264	16,176	12,400	8,748	5,077	1,442
KN m		0,000	0,383	0,744	1,061	1,298	1,454	1,543	1,569	1,533	1,442
Max deck inclination deg		5,2418	11,2524	20,5905	30,3280	40,1973	50,1291	60,0889	70,0593	80,0304	90,0000
Trim angle (+ve by stern) deg		5,2418	5,2651	5,3183	5,3894	5,6852	6,5206	8,3592	12,4603	24,1373	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan

Lengan Stabilitas 20 GT (U) rasio 2,56

Kriteria 20 GT (U) rasio 2,56

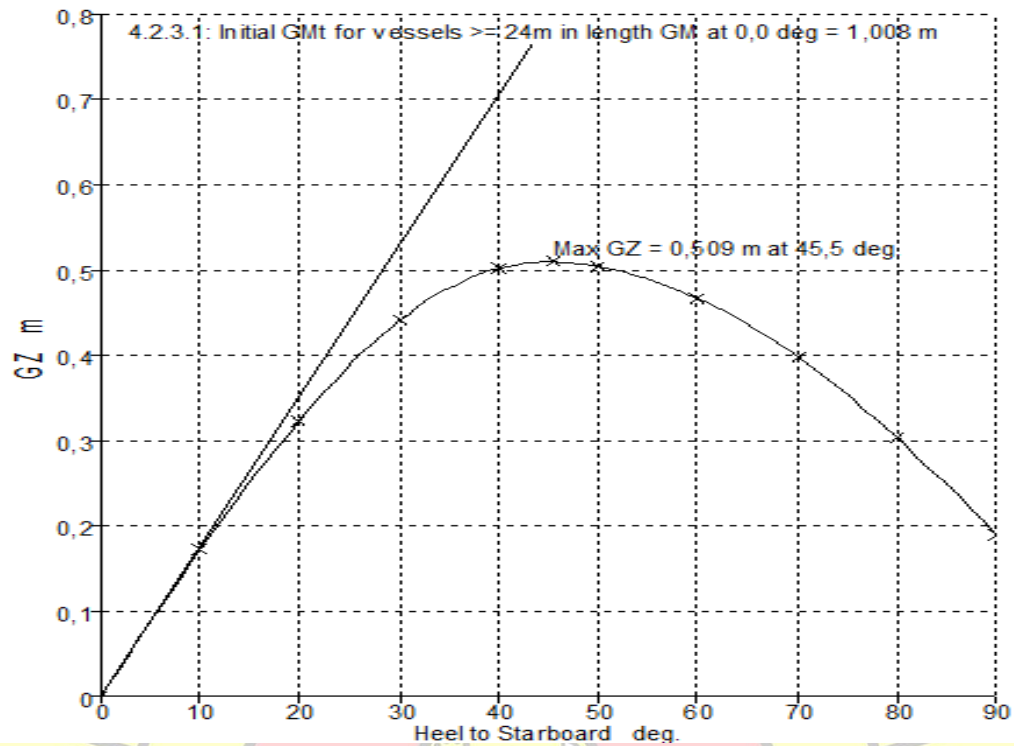
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	6,4820	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	10,7583	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	4,2763	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,449	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	42,7	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	0,887	Pass

Sumber : Data hasil olahan

20 GT (U) Rasio 2,76

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,090	0,000	1,523
CF 1	1	2,500	2,500	-	-	-0,475	0,000	0,929	-1,187	0,000	2,323
CF 2	1	2,500	2,500	-	-	1,625	0,000	0,929	4,063	0,000	2,323
Fuel Oil	100%	2,504	2,504	2,980	2,980	-2,039	0,000	1,030	-5,104	0,000	2,579
FWT (P)	84%	0,893	0,750	0,893	0,750	-7,431	-1,076	1,608	-5,572	-0,807	1,206
FWT (S)	84%	0,893	0,750	0,893	0,750	-7,431	1,076	1,608	-5,572	0,807	1,206
Total Loadcase	-	-	22,873	4,766	4,480	-1,655	0,000	1,259	-37,858	0,000	28,802
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,259	-	-	-
Heel to Starboard deg	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0	
GZ m	0,000	0,172	0,324	0,441	0,502	0,504	0,467	0,399	0,303	0,191	
Area under GZ curve from zero heel m.deg	0,0000	0,8706	3,3731	7,2325	11,9984	17,0717	21,9531	26,3037	29,8317	32,3085	
Displacement t	22,87	22,87	22,87	22,87	22,87	22,87	22,87	22,87	22,87	22,87	
Draft at FP m	0,104	0,090	0,042	-0,053	-0,229	-0,553	-1,164	-2,458	-6,366	n/a	
Draft at AP m	1,610	1,603	1,572	1,496	1,389	1,282	1,172	1,031	0,685	n/a	
Draft at LCF m	0,975	0,964	0,924	0,835	0,668	0,435	0,064	-0,653	-2,752	n/a	
Draft Amidships m	0,857	0,847	0,807	0,721	0,580	0,364	0,004	-0,714	-2,841	n/a	
WL Length m	15,188	15,156	15,044	14,899	14,784	14,742	14,713	14,858	15,153	15,711	
Beam max extents on WL m	3,358	3,365	3,331	3,263	2,919	2,833	2,668	2,447	2,241	2,114	
Wetted Area m^2	51,662	51,364	50,447	49,820	50,598	51,355	52,122	52,665	53,111	53,534	
Waterpl. Area m^2	43,777	43,272	41,771	40,362	36,471	33,375	31,146	29,117	27,651	26,844	
Prismatic coeff. (Cp)	0,608	0,612	0,627	0,648	0,680	0,716	0,754	0,784	0,792	0,729	
Block coeff. (Cb)	0,455	0,466	0,452	0,441	0,477	0,478	0,495	0,494	0,488	0,437	
LCB from amidsh. (+ve aft) m	1,706	1,707	1,709	1,711	1,713	1,717	1,723	1,730	1,736	1,741	
LCF from amidsh. (+ve aft) m	1,261	1,261	1,241	1,191	0,888	0,623	0,418	0,283	0,203	0,172	
KB m	0,709	0,732	0,797	0,894	1,000	1,101	1,197	1,289	1,372	1,450	
KG fluid m	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	
BMT m	1,561	1,526	1,405	1,287	0,940	0,737	0,627	0,533	0,467	0,431	
BML m	31,108	30,383	28,956	28,272	26,234	24,308	23,380	22,729	22,310	22,207	
GMt corrected m	1,008	0,958	0,793	0,609	0,178	-0,113	-0,308	-0,478	-0,605	-0,684	
GML m	30,556	29,815	28,344	27,594	25,472	23,458	22,445	21,719	21,238	21,092	
KMt m	2,263	2,228	2,113	2,005	1,718	1,573	1,510	1,471	1,453	1,450	
KML m	31,683	30,528	27,901	25,295	21,038	16,684	12,857	9,042	5,235	1,450	
KN m	0,000	0,391	0,754	1,070	1,312	1,469	1,557	1,582	1,543	1,450	
Max deck inclination deg	5,3122	11,2856	20,6075	30,3370	40,1985	50,1269	60,0857	70,0564	80,0287	90,0000	
Trim angle (+ve by stern) deg	5,3122	5,3385	5,3955	5,4633	5,7027	6,4646	8,2081	12,1556	23,5228	90,0000	

Sumber : Data hasil olahan



Sumber : Data hasil olahan

Lengan Stabilitas 20 GT (U) rasio 2,76

Kriteria 20 GT (U) rasio 2,76

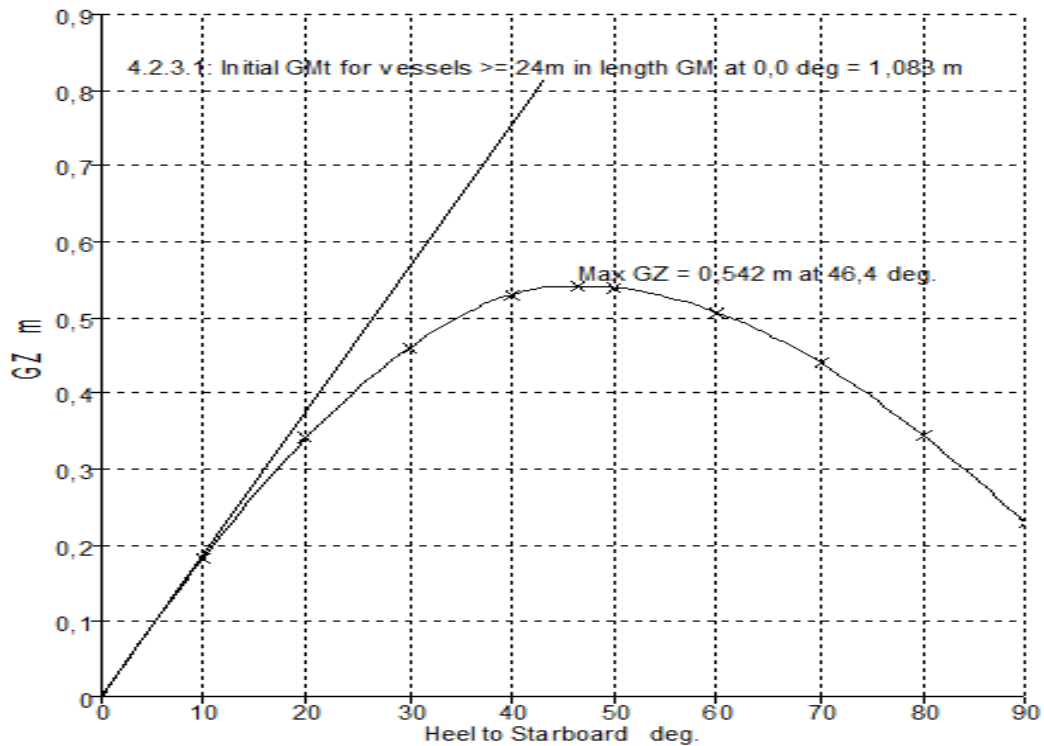
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	7,2325	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	11,9984	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	4,7658	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,509	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	45,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,008	Pass

Sumber : Data hasil olahan

20 GT (U) Rasio 2,96

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,090	0,000	1,523
CF 1	0,8	2,500	2,000	-	-	-0,475	0,000	0,743	-0,950	0,000	1,486
CF 2	0,8	2,500	2,000	-	-	1,625	0,000	0,743	3,250	0,000	1,486
Fuel Oil	100%	2,504	2,504	2,980	2,980	-2,039	0,000	1,030	-5,104	0,000	2,579
FWT (P)	57,5%	0,893	0,513	0,893	0,513	-7,422	-1,053	1,489	-3,810	-0,540	0,764
FWT (S)	57,5%	0,893	0,513	0,893	0,513	-7,422	1,053	1,489	-3,810	0,540	0,764
Total Loadcase	-	-	21,400	4,766	4,007	-1,631	0,000	1,226	-34,908	0,000	26,246
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,226	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,184	0,342	0,460	0,531	0,540	0,507	0,440	0,345	0,231
Area under GZ curve from zero heel m.deg		0,0000	0,9319	3,5889	7,6350	12,6380	18,0334	23,2942	28,0555	32,0023	34,8880
Displacement t		21,40	21,40	21,40	21,40	21,40	21,40	21,40	21,40	21,40	21,40
Draft at FP m		0,087	0,073	0,024	-0,073	-0,246	-0,567	-1,176	-2,472	-6,394	n/a
Draft at AP m		1,565	1,557	1,521	1,438	1,309	1,169	1,007	0,763	0,123	n/a
Draft at LCF m		0,943	0,931	0,887	0,795	0,623	0,374	-0,022	-0,795	-3,047	n/a
Draft Amidships m		0,826	0,815	0,772	0,683	0,532	0,301	-0,085	-0,854	-3,135	n/a
WL Length m		15,142	15,109	14,994	14,853	14,739	14,704	14,672	14,818	15,118	15,689
Beam max extents on WL m		3,341	3,342	3,289	3,208	2,904	2,804	2,659	2,436	2,230	2,100
Wetted Area m^2		50,419	50,014	48,995	48,171	48,743	49,472	50,213	50,741	51,165	51,598
Waterpl. Area m^2		43,281	42,596	40,882	39,551	36,256	33,182	30,947	28,880	27,401	26,596
Prismatic coeff. (Cp)		0,599	0,603	0,620	0,642	0,673	0,710	0,750	0,785	0,801	0,735
Block coeff. (Cb)		0,445	0,458	0,446	0,436	0,468	0,473	0,495	0,498	0,491	0,437
LCB from amidsh. (+ve aft) m		1,680	1,681	1,684	1,685	1,687	1,690	1,695	1,702	1,708	1,713
LCF from amidsh. (+ve aft) m		1,282	1,272	1,241	1,203	0,951	0,685	0,462	0,299	0,219	0,182
KB m		0,686	0,710	0,777	0,874	0,985	1,091	1,192	1,288	1,376	1,457
KG fluid m		1,226	1,226	1,226	1,226	1,226	1,226	1,226	1,226	1,226	1,226
BMT m		1,625	1,570	1,420	1,312	1,004	0,781	0,660	0,559	0,489	0,451
BML m		32,571	31,610	30,033	29,263	27,604	25,577	24,624	23,984	23,512	23,463
GMT corrected m		1,083	1,012	0,815	0,637	0,241	-0,075	-0,288	-0,472	-0,611	-0,699
GML m		32,028	31,051	29,428	28,588	26,842	24,721	23,676	22,953	22,412	22,313
KMt m		2,305	2,251	2,106	2,006	1,752	1,591	1,522	1,479	1,460	1,457
KML m		33,122	31,714	28,893	26,134	22,074	17,493	13,477	9,472	5,448	1,457
KN m		0,000	0,397	0,761	1,074	1,319	1,479	1,569	1,593	1,553	1,457
Max deck inclination deg		5,2142	11,2394	20,5818	30,3204	40,1836	50,1136	60,0748	70,0485	80,0246	90,0000
Trim angle (+ve by stern) deg		5,2142	5,2362	5,2784	5,3271	5,4849	6,1184	7,6770	11,2969	21,9178	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
 Lengan Stabilitas 20 GT (U) rasio 2,96

Kriteria 20 GT (U) rasio 2,96

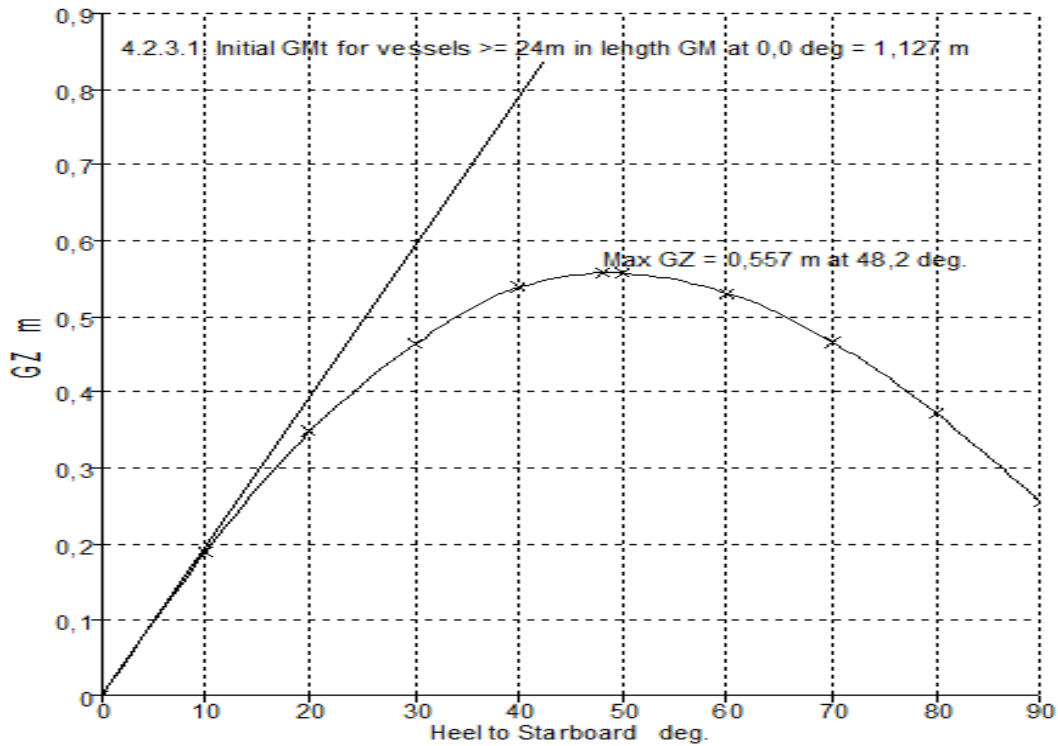
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	7,6350	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	12,6380	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	5,0030	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,542	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	46,4	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,083	Pass

Sumber : Data hasil olahan

20 GT (U) Rasio 3,16

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,090	0,000	1,523
CF 1	0,716	2,500	1,790	-	-	-0,475	0,000	0,665	-0,850	0,000	1,190
CF 2	0,716	2,500	1,790	-	-	1,625	0,000	0,665	2,909	0,000	1,190
Fuel Oil	100%	2,504	2,504	2,980	2,980	-2,039	0,000	1,030	-5,104	0,000	2,579
FWT (P)	5%	0,893	0,045	0,893	0,045	-7,261	-0,870	1,183	-0,324	-0,039	0,053
FWT (S)	5%	0,893	0,045	0,893	0,045	-7,261	0,870	1,183	-0,324	0,039	0,053
Total Loadcase	-	-	20,043	4,766	3,070	-1,406	0,000	1,209	-28,179	0,000	24,232
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,209	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,190	0,348	0,463	0,539	0,557	0,531	0,467	0,372	0,256
Area under GZ curve from zero heel m.deg		0,0000	0,9643	3,6901	7,7818	12,8324	18,3536	23,8245	28,8441	33,0641	36,2146
Displacement t		20,04	20,04	20,04	20,04	20,04	20,04	20,04	20,04	20,04	20,04
Draft at FP m		0,126	0,114	0,071	-0,020	-0,181	-0,479	-1,055	-2,290	-6,031	n/a
Draft at AP m		1,483	1,471	1,425	1,329	1,173	0,980	0,735	0,331	-0,774	n/a
Draft at LCF m		0,907	0,891	0,842	0,744	0,571	0,306	-0,120	-0,948	-3,369	n/a
Draft Amidships m		0,805	0,793	0,748	0,655	0,496	0,250	-0,160	-0,980	-3,403	n/a
WL Length m		15,197	15,176	15,069	14,916	14,815	14,789	14,781	14,921	15,232	15,770
Beam max extents on WL m		3,325	3,318	3,247	3,153	2,901	2,806	2,664	2,454	2,242	2,105
Wetted Area m^2		49,448	48,897	47,685	46,848	47,206	47,969	48,627	49,102	49,559	49,897
Waterpl. Area m^2		43,057	42,159	40,221	38,816	36,614	33,670	31,265	29,076	27,619	26,712
Prismatic coeff. (Cp)		0,586	0,591	0,609	0,634	0,664	0,702	0,748	0,789	0,816	0,771
Block coeff. (Cb)		0,434	0,448	0,437	0,429	0,455	0,462	0,489	0,515	0,508	0,448
LCB from amidsh. (+ve aft) m		1,453	1,454	1,455	1,456	1,456	1,457	1,460	1,465	1,470	1,475
LCF from amidsh. (+ve aft) m		1,215	1,178	1,129	1,075	0,901	0,615	0,367	0,197	0,104	0,086
KB m		0,648	0,673	0,740	0,837	0,954	1,069	1,180	1,284	1,378	1,465
KG fluid m		1,209	1,209	1,209	1,209	1,209	1,209	1,209	1,209	1,209	1,209
BMT m		1,690	1,614	1,437	1,314	1,105	0,865	0,720	0,596	0,525	0,485
BML m		34,824	33,517	31,673	30,860	30,107	28,189	27,002	26,243	25,837	25,591
GMt corrected m		1,127	1,034	0,809	0,615	0,318	-0,018	-0,259	-0,470	-0,614	-0,710
GML m		34,260	32,937	31,045	30,162	29,320	27,306	26,024	25,178	24,698	24,397
KMt m		2,332	2,256	2,086	1,972	1,799	1,624	1,540	1,488	1,469	1,465
KML m		35,349	33,568	30,412	27,494	23,970	19,158	14,661	10,246	5,857	1,465
KN m		0,000	0,400	0,762	1,068	1,316	1,483	1,578	1,603	1,563	1,465
Max deck inclination deg		4,7901	11,0454	20,4775	30,2561	40,1394	50,0804	60,0504	70,0319	80,0160	90,0000
Trim angle (+ve by stern) deg		4,7901	4,7871	4,7762	4,7602	4,7792	5,1490	6,3072	9,1924	17,9791	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 20 GT (U) rasio 3,16

Kriteria 20 GT (U) rasio 3,16

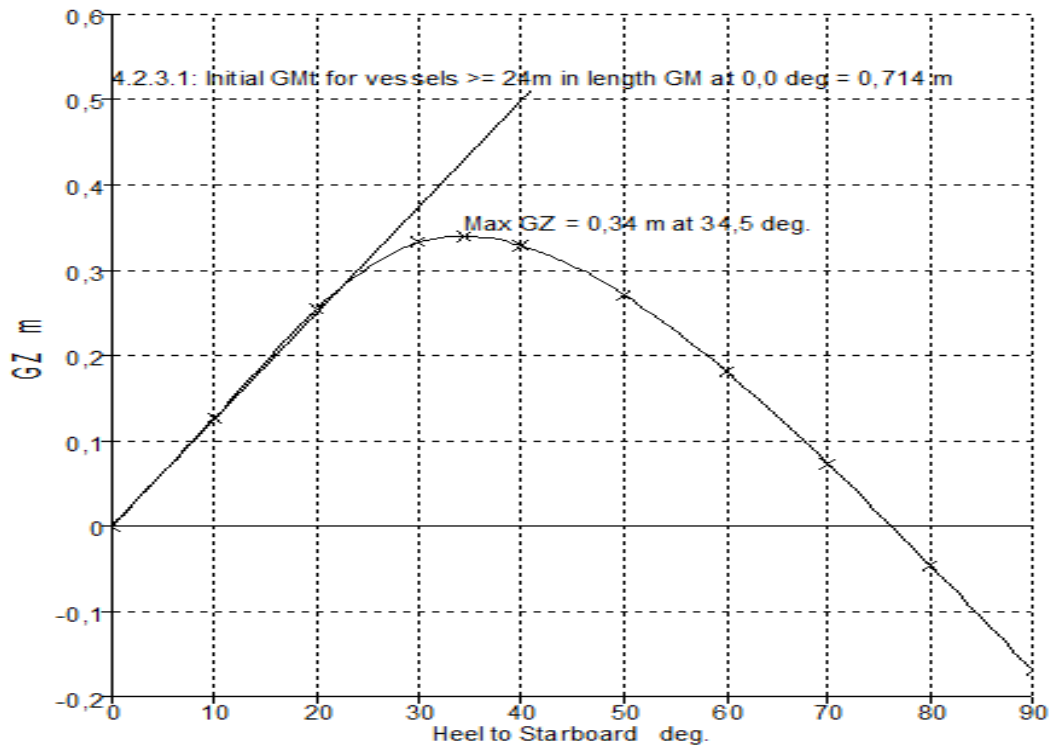
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	7,7818	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	12,8324	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	5,0506	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,557	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	48,2	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMT for vessels ≥ 24 m in length	0,350	m	1,127	Pass

Sumber : Data hasil olahan

20 GT (V) Rasio 2,36

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,089	0,000	1,523
CF 1	1,688	2,500	4,220	-	-	-0,475	0,000	1,568	-2,004	0,000	6,617
CF 2	1,688	2,500	4,220	-	-	1,625	0,000	1,568	6,858	0,000	6,617
Fuel Oil	100%	2,528	2,528	3,010	3,010	-2,040	0,000	1,025	-5,156	0,000	2,591
FWT (P)	100%	1,017	1,017	1,017	1,017	-7,394	-1,141	1,607	-7,520	-1,160	1,634
FWT (S)	100%	1,017	1,017	1,017	1,017	-7,394	1,141	1,607	-7,520	1,160	1,634
Total Loadcase	-	-	26,872	5,044	5,044	-1,482	0,000	1,424	-39,829	0,000	38,260
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,424	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,126	0,254	0,332	0,329	0,271	0,182	0,073	-0,047	-0,170
Area under GZ curve from zero heel m.deg		0,0000	0,6248	2,5401	5,5329	8,9010	11,9370	14,2247	15,5107	15,6465	14,5652
Displacement t		26,87	26,87	26,87	26,87	26,87	26,87	26,87	26,87	26,87	26,87
Draft at FP m		0,400	0,389	0,358	0,279	0,117	-0,139	-0,569	-1,452	-4,123	n/a
Draft at AP m		1,490	1,487	1,466	1,415	1,383	1,370	1,381	1,451	1,718	n/a
Draft at LCF m		1,033	1,028	0,999	0,909	0,793	0,652	0,446	0,049	-1,099	n/a
Draft Amidships m		0,945	0,938	0,912	0,847	0,750	0,615	0,406	-0,001	-1,203	n/a
WL Length m		15,678	15,701	15,700	15,524	15,199	14,384	14,344	14,502	15,047	15,498
Beam max extents on WL m		3,395	3,433	3,567	3,251	2,770	2,628	2,344	2,010	1,856	1,786
Wetted Area m^2		55,079	55,053	54,209	54,298	55,319	56,043	56,455	56,967	57,171	57,600
Waterpl. Area m^2		44,283	44,586	44,023	39,093	34,017	30,294	27,621	25,917	24,565	23,952
Prismatic coeff. (Cp)		0,619	0,620	0,629	0,652	0,685	0,743	0,764	0,772	0,760	0,750
Block coeff. (Cb)		0,483	0,487	0,426	0,416	0,458	0,484	0,522	0,578	0,555	0,499
LCB from amidsh. (+ve aft) m		1,531	1,531	1,531	1,532	1,535	1,538	1,541	1,544	1,545	1,545
LCF from amidsh. (+ve aft) m		1,284	1,298	1,256	0,873	0,549	0,387	0,330	0,272	0,283	0,239
KB m		0,711	0,733	0,799	0,889	0,970	1,040	1,101	1,156	1,207	1,254
KG fluid m		1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424	1,424
BMT m		1,428	1,468	1,454	1,002	0,668	0,483	0,381	0,321	0,283	0,267
BML m		26,193	26,171	25,151	22,212	19,825	17,973	16,476	15,864	15,346	15,462
GML corrected m		0,714	0,743	0,695	0,191	-0,201	-0,440	-0,581	-0,664	-0,704	-0,701
GML m		25,479	25,446	24,393	21,401	18,956	17,051	15,514	14,879	14,359	14,493
KMt m		2,136	2,176	2,163	1,755	1,481	1,350	1,291	1,266	1,256	1,254
KML m		26,843	26,448	24,384	20,089	16,130	12,571	9,324	6,571	3,866	1,254
KN m		0,000	0,373	0,741	1,044	1,244	1,362	1,415	1,411	1,355	1,254
Max deck inclination deg		3,9106	10,7185	20,3317	30,1877	40,1257	50,0886	60,0616	70,0403	80,0204	90,0000
Trim angle (+ve by stern) deg		3,9106	3,9376	3,9737	4,0738	4,5385	5,4040	6,9722	10,3198	20,1160	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
 Lengan Stabilitas 20 GT (V) rasio 2,36

Kriteria 20 GT (V) rasio 2,36

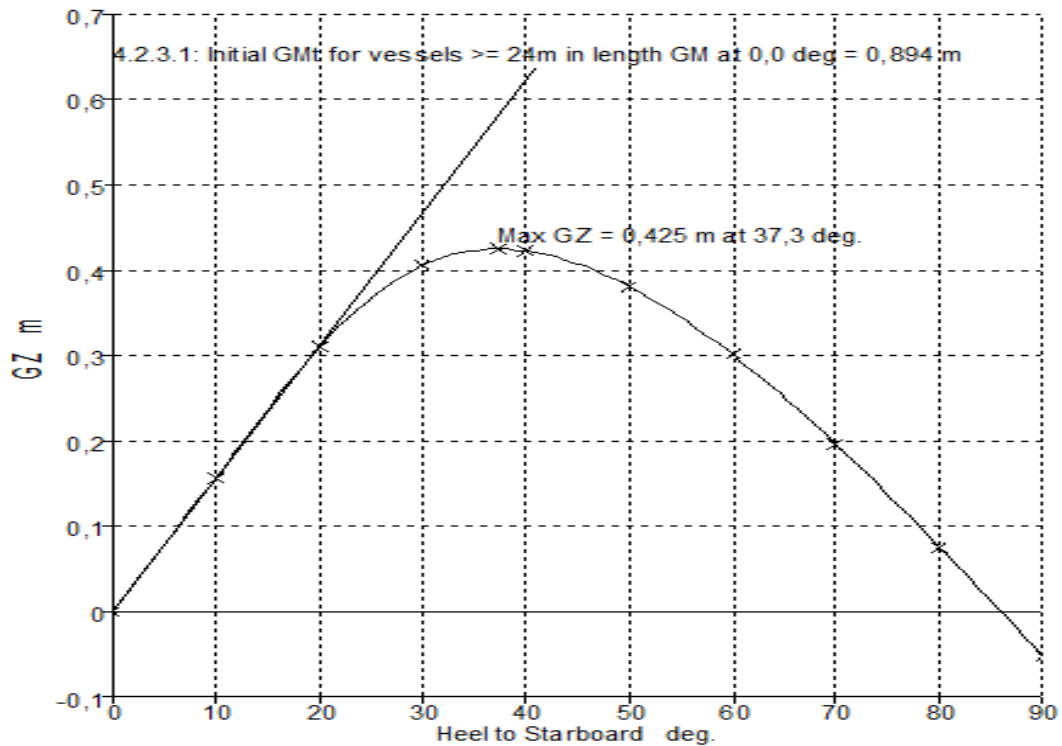
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	5,5329	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	8,9010	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	3,3681	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,340	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	34,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMT for vessels ≥ 24 m in length	0,350	m	0,714	Pass

Sumber : Data hasil olahan

20 GT (V) Rasio 2,56

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,089	0,000	1,523
CF 1	1,268	2,500	3,170	-	-	-0,475	0,000	1,177	-1,506	0,000	3,731
CF 2	1,268	2,500	3,170	-	-	1,625	0,000	1,177	5,151	0,000	3,731
Fuel Oil	100%	2,528	2,528	3,010	3,010	-2,040	0,000	1,025	-5,156	0,000	2,591
FWT (P)	100%	1,017	1,017	1,017	1,017	-7,394	-1,141	1,607	-7,520	-1,160	1,634
FWT (S)	100%	1,017	1,017	1,017	1,017	-7,394	1,141	1,607	-7,520	1,160	1,634
Total Loadcase	-	-	24,772	5,044	5,044	-1,657	0,000	1,311	-41,037	0,000	32,489
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluida	-	-	-	-	-	-	-	1,311	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,157	0,309	0,406	0,422	0,381	0,301	0,196	0,076	-0,052
Area under GZ curve from zero heel m.deg		0,0000	0,7820	3,1368	6,7778	10,9805	15,0355	18,4718	20,9740	22,3426	22,4646
Displacement t		24,77	24,77	24,77	24,77	24,77	24,77	24,77	24,77	24,77	24,77
Draft at FP m		0,301	0,288	0,250	0,164	-0,014	-0,303	-0,798	-1,800	-4,841	n/a
Draft at AP m		1,481	1,478	1,457	1,397	1,348	1,315	1,302	1,321	1,443	n/a
Draft at LCF m		0,993	0,988	0,957	0,859	0,724	0,563	0,322	-0,146	-1,519	n/a
Draft Amidships m		0,891	0,883	0,853	0,780	0,667	0,506	0,252	-0,240	-1,699	n/a
WL Length m		15,624	15,630	15,575	15,320	14,775	14,170	14,139	14,241	14,822	15,310
Beam max extents on WL m		3,382	3,422	3,529	3,230	2,765	2,556	2,220	1,973	1,837	1,768
Wetted Area m^2		53,181	53,091	51,978	51,739	52,673	53,126	53,443	53,883	54,156	54,600
Waterpl. Area m^2		43,478	43,674	42,562	38,192	33,595	29,716	26,916	25,134	23,795	23,222
Prismatic coeff. (Cp)		0,604	0,605	0,618	0,645	0,688	0,737	0,756	0,769	0,753	0,739
Block coeff. (Cb)		0,468	0,473	0,416	0,406	0,454	0,483	0,536	0,570	0,540	0,483
LCB from amidsh. (+ve aft) m		1,702	1,703	1,704	1,706	1,709	1,714	1,718	1,722	1,726	1,726
LCF from amidsh. (+ve aft) m		1,387	1,404	1,363	1,019	0,674	0,561	0,529	0,480	0,457	0,400
KB m		0,696	0,720	0,788	0,880	0,965	1,040	1,104	1,161	1,212	1,259
KG fluid m		1,311	1,311	1,311	1,311	1,311	1,311	1,311	1,311	1,311	1,311
BMT m		1,511	1,544	1,466	1,041	0,715	0,514	0,396	0,329	0,287	0,267
BML m		27,107	26,982	25,740	22,894	20,564	18,234	16,600	15,962	15,568	15,724
GML corrected m		0,894	0,914	0,795	0,306	-0,093	-0,364	-0,543	-0,653	-0,719	-0,741
GML m		26,490	26,352	25,069	22,159	19,756	17,356	15,662	14,980	14,562	14,716
KMt m		2,203	2,236	2,162	1,779	1,512	1,370	1,302	1,273	1,262	1,259
KML m		27,730	27,220	24,915	20,662	16,685	12,736	9,386	6,608	3,909	1,259
KN m		0,000	0,385	0,758	1,062	1,265	1,386	1,437	1,428	1,367	1,259
Max deck inclination deg		4,2307	10,8386	20,3929	30,2209	40,1454	50,1018	60,0714	70,0465	80,0236	90,0000
Trim angle (+ve by stern) deg		4,2307	4,2663	4,3280	4,4205	4,8799	5,7935	7,5002	11,0714	21,5052	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
 Lengan Stabilitas 20 GT (V) rasio 2,56

Kriteria 20 GT (V) rasio 2,56

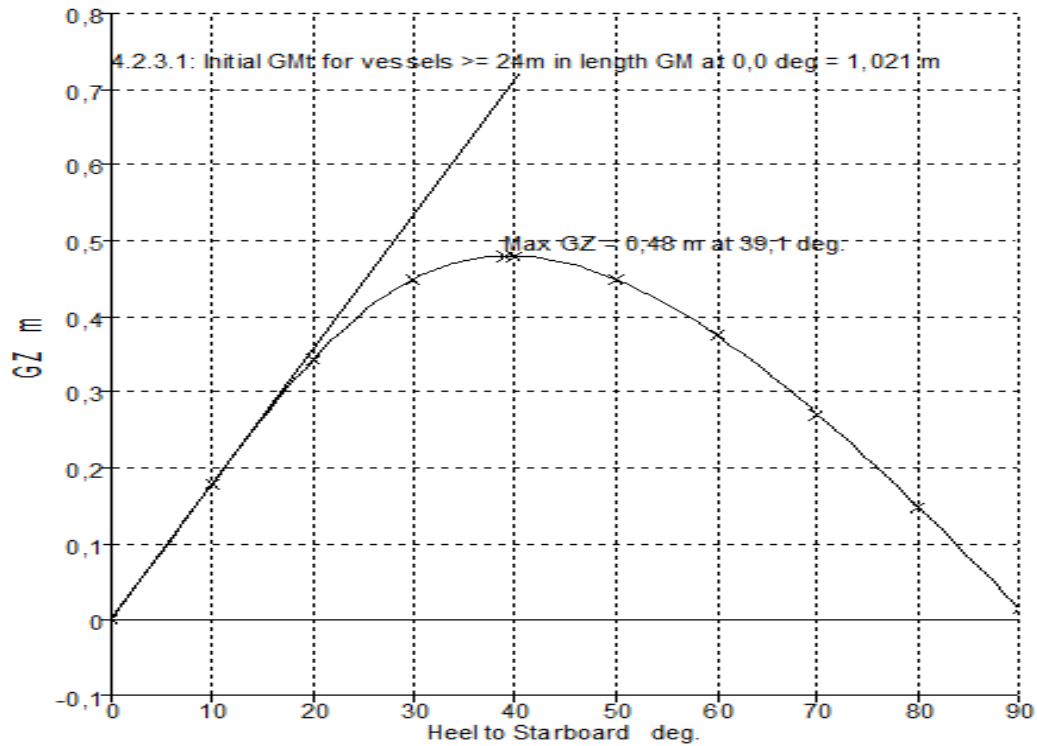
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	6,7778	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	10,9805	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	4,2027	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,425	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	37,3	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMT for vessels $\geq 24\text{m}$ in length	0,350	m	0,894	Pass

Sumber : Data hasil olahan

20 GT (V) Rasio 2,76

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,089	0,000	1,523
CF 1	1	2,500	2,500	-	-	-0,475	0,000	0,929	-1,187	0,000	2,323
CF 2	1	2,500	2,500	-	-	1,625	0,000	0,929	4,063	0,000	2,323
Fuel Oil	100%	2,528	2,528	3,010	3,010	-2,040	0,000	1,025	-5,156	0,000	2,591
FWT (P)	74%	1,017	0,753	1,017	0,753	-7,389	-1,136	1,477	-5,560	-0,855	1,112
FWT (S)	74%	1,017	0,753	1,017	0,753	-7,389	1,136	1,477	-5,560	0,855	1,112
Total Loadcase	-	-	22,903	5,044	4,515	-1,654	0,000	1,250	-37,888	0,000	28,627
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,250	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,178	0,343	0,449	0,480	0,449	0,375	0,271	0,148	0,015
Area under GZ curve from zero heel m.deg		0,0000	0,8936	3,5293	7,5519	12,2555	16,9422	21,0933	24,3463	26,4579	27,2812
Displacement t		22,90	22,90	22,90	22,90	22,90	22,90	22,90	22,90	22,90	22,90
Draft at FP m		0,269	0,255	0,216	0,133	-0,039	-0,330	-0,833	-1,859	-4,960	n/a
Draft at AP m		1,431	1,429	1,402	1,322	1,238	1,161	1,080	0,971	0,710	n/a
Draft at LCF m		0,954	0,947	0,911	0,810	0,659	0,472	0,193	-0,342	-1,949	n/a
Draft Amidships m		0,850	0,842	0,809	0,728	0,600	0,415	0,123	-0,444	-2,125	n/a
WL Length m		15,555	15,564	15,505	15,245	14,596	14,102	14,073	14,160	14,760	15,264
Beam max extents on WL m		3,364	3,407	3,441	3,217	2,778	2,565	2,180	1,955	1,820	1,747
Wetted Area m^2		51,766	51,539	50,077	49,484	50,298	50,846	51,132	51,282	51,653	52,102
Waterpl. Area m^2		42,986	42,984	41,238	37,807	33,512	29,735	26,885	24,756	23,453	22,890
Prismatic coeff. (Cp)		0,595	0,596	0,612	0,641	0,689	0,734	0,756	0,771	0,756	0,743
Block coeff. (Cb)		0,457	0,461	0,414	0,396	0,443	0,474	0,540	0,580	0,549	0,488
LCB from amidsh. (+ve aft) m		1,696	1,697	1,699	1,700	1,703	1,706	1,711	1,715	1,719	1,720
LCF from amidsh. (+ve aft) m		1,428	1,431	1,372	1,099	0,747	0,611	0,579	0,574	0,495	0,432
KB m		0,672	0,696	0,766	0,860	0,952	1,033	1,102	1,162	1,216	1,265
KG fluid m		1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
BMT m		1,600	1,617	1,461	1,111	0,781	0,558	0,425	0,345	0,297	0,278
BML m		28,596	28,191	26,622	24,313	21,830	19,534	17,809	16,708	16,463	16,644
GML corrected m		1,021	1,022	0,820	0,400	-0,012	-0,317	-0,522	-0,659	-0,744	-0,777
GML m		28,017	27,596	25,981	23,602	21,037	18,660	16,861	15,704	15,423	15,589
KMt m		2,268	2,285	2,136	1,820	1,549	1,391	1,314	1,280	1,267	1,265
KML m		29,192	28,387	25,722	21,872	17,643	13,567	9,990	6,866	4,069	1,265
KN m		0,000	0,395	0,770	1,074	1,283	1,407	1,458	1,446	1,379	1,265
Max deck inclination deg		4,1707	10,8166	20,3798	30,2054	40,1280	50,0865	60,0593	70,0383	80,0192	90,0000
Trim angle (+ve by stern) deg		4,1707	4,2078	4,2545	4,2623	4,5800	5,3408	6,8405	10,0615	19,5751	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
 Lengan Stabilitas 20 GT (V) rasio 2,76

Kriteria 20 GT (V) rasio 2,76

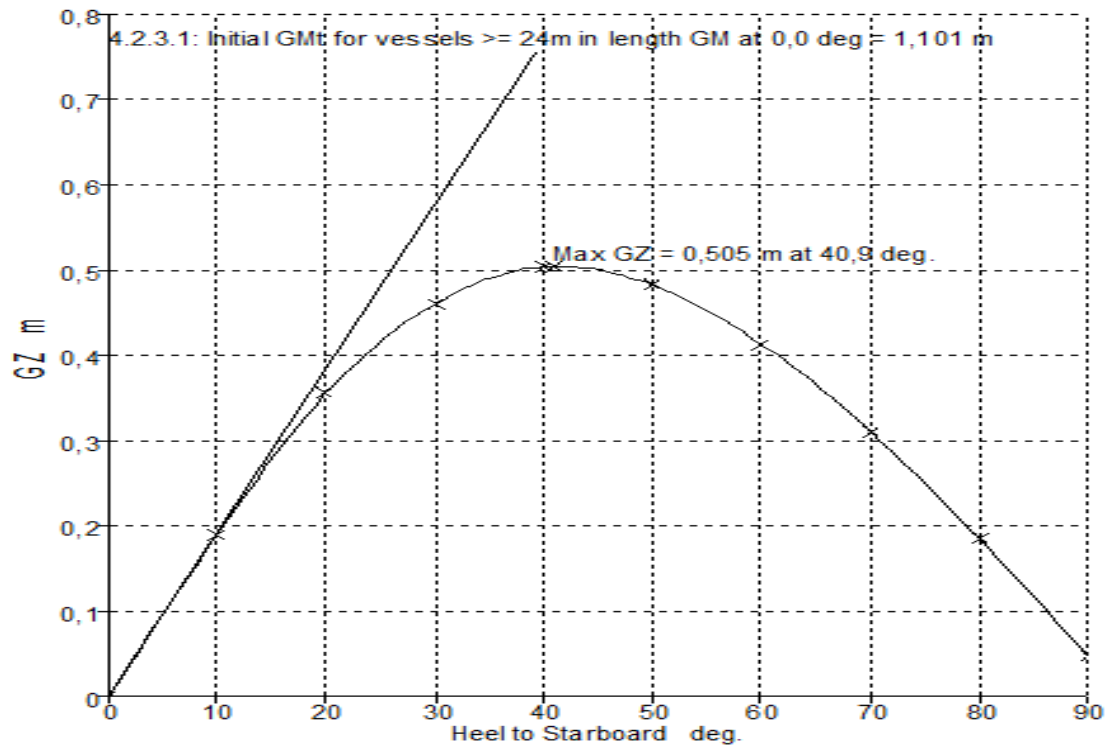
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	7,5519	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	12,2555	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	4,7036	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,480	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	39,1	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMT for vessels ≥ 24 m in length	0,350	m	1,021	Pass

Sumber : Data hasil olahan

20 GT (V) Rasio 2,96

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,089	0,000	1,523
CF 1	0,924	2,500	2,310	-	-	-0,475	0,000	0,858	-1,097	0,000	1,982
CF 2	0,924	2,500	2,310	-	-	1,625	0,000	0,858	3,754	0,000	1,982
Fuel Oil	100%	2,528	2,528	3,010	3,010	-2,040	0,000	1,025	-5,156	0,000	2,591
FWT (P)	20%	1,017	0,203	1,017	0,203	-7,328	-1,083	1,200	-1,491	-0,220	0,244
FWT (S)	20%	1,017	0,203	1,017	0,203	-7,328	1,083	1,200	-1,491	0,220	0,244
Total Loadcase	-	-	21,425	5,044	3,417	-1,399	0,000	1,223	-29,967	0,000	26,211
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,223	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,190	0,355	0,461	0,504	0,482	0,413	0,310	0,185	0,047
Area under GZ curve from zero heel m.deg		0,0000	0,9583	3,7213	7,8562	12,7361	17,7161	22,2282	25,8710	28,3608	29,5265
Displacement t		21,42	21,43	21,42	21,43	21,43	21,43	21,43	21,43	21,43	21,43
Draft at FP m		0,321	0,311	0,280	0,211	0,064	-0,188	-0,630	-1,546	-4,333	n/a
Draft at AP m		1,338	1,331	1,291	1,186	1,049	0,898	0,702	0,373	-0,528	n/a
Draft at LCF m		0,917	0,905	0,863	0,764	0,600	0,391	0,076	-0,540	-2,345	n/a
Draft Amidships m		0,829	0,821	0,785	0,698	0,557	0,355	0,036	-0,586	-2,431	n/a
WL Length m		15,613	15,641	15,598	15,363	14,968	14,231	14,206	14,337	14,926	15,410
Beam max extents on WL m		3,341	3,387	3,348	3,155	2,780	2,569	2,245	1,940	1,806	1,731
Wetted Area m^2		51,108	50,590	48,820	47,857	48,642	49,251	49,494	49,788	49,950	50,382
Waterpl. Area m^2		43,007	42,624	40,313	38,183	34,113	30,354	27,365	25,179	23,660	23,048
Prismatic coeff. (Cp)		0,586	0,588	0,608	0,639	0,676	0,736	0,761	0,780	0,772	0,766
Block coeff. (Cb)		0,447	0,451	0,414	0,391	0,424	0,465	0,529	0,611	0,596	0,523
LCB from amidsh. (+ve aft) m		1,438	1,437	1,437	1,437	1,437	1,438	1,439	1,442	1,444	1,445
LCF from amidsh. (+ve aft) m		1,374	1,321	1,221	1,071	0,703	0,530	0,480	0,387	0,360	0,299
KB m		0,634	0,660	0,730	0,825	0,926	1,016	1,093	1,159	1,217	1,271
KG fluid m		1,223	1,223	1,223	1,223	1,223	1,223	1,223	1,223	1,223	1,223
BMT m		1,692	1,675	1,445	1,229	0,872	0,629	0,476	0,373	0,318	0,303
BML m		30,909	29,864	28,033	26,849	24,176	21,818	19,780	18,942	18,255	18,418
GML corrected m		1,101	1,068	0,790	0,502	0,060	-0,270	-0,502	-0,668	-0,766	-0,803
GML m		30,318	29,257	27,378	26,121	23,364	20,918	18,802	17,900	17,170	17,313
KMT m		2,323	2,306	2,086	1,888	1,593	1,419	1,331	1,287	1,272	1,271
KML m		31,480	30,012	27,026	24,044	19,425	15,026	10,974	7,632	4,384	1,271
KN m		0,000	0,402	0,774	1,073	1,290	1,420	1,473	1,460	1,390	1,271
Max deck inclination deg		3,6489	10,6232	20,2770	30,1384	40,0762	50,0460	60,0288	70,0176	80,0087	90,0000
Trim angle (+ve by stern) deg		3,6489	3,6588	3,6291	3,4972	3,5344	3,8956	4,7742	6,8605	13,4209	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
 Lengan Stabilitas 20 GT (V) rasio 2,96

Kriteria 20 GT (V) rasio 2,96

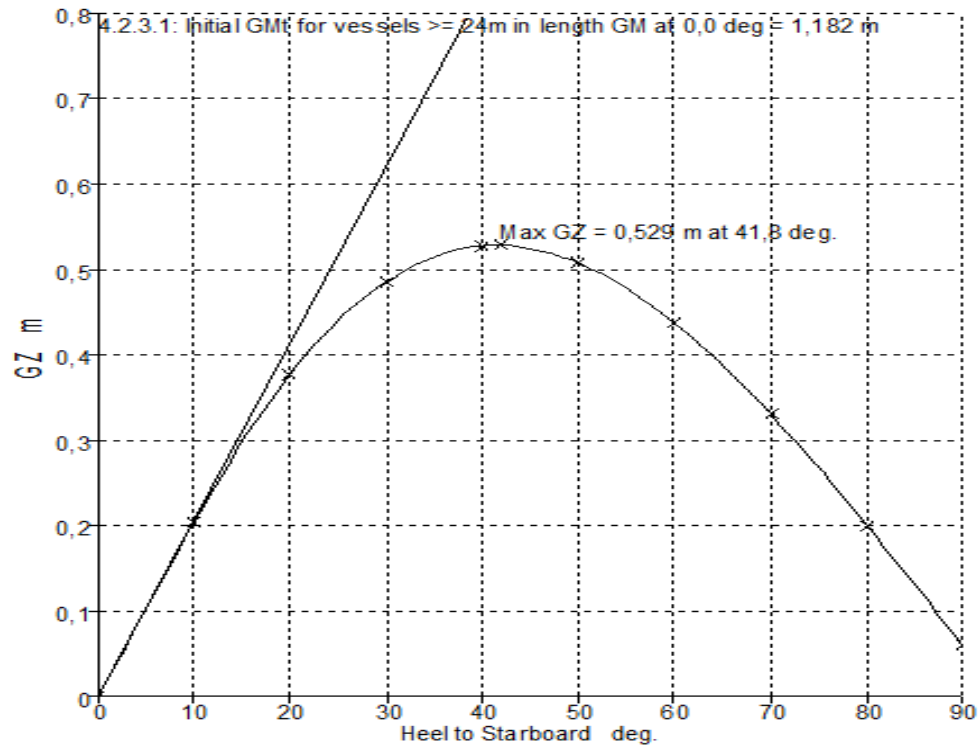
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	7,8562	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	12,7361	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	4,8799	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,505	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	40,9	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,101	Pass

Sumber : Data hasil olahan

20 GT (V) Rasio 3,16

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	13,240	13,240	-	-	-1,660	0,000	1,320	-21,978	0,000	17,477
Bekal	1	0,105	0,105	-	-	-3,980	0,000	1,600	-0,418	0,000	0,168
Crew	7	0,075	0,525	-	-	-3,980	0,000	2,900	-2,089	0,000	1,523
CF 1	0,55	2,500	1,375	-	-	-0,475	0,000	0,510	-0,653	0,000	0,701
CF 2	0,55	2,500	1,375	-	-	-1,625	0,000	0,510	2,234	0,000	0,701
Fuel Oil	100%	2,528	2,528	3,010	3,010	-2,040	0,000	1,025	-5,156	0,000	2,591
FWT (P)	45,3%	1,017	0,461	1,017	0,461	-7,374	-1,123	1,333	-3,397	-0,517	0,614
FWT (S)	45,3%	1,017	0,461	1,017	0,461	-7,374	1,123	1,333	-3,397	0,517	0,614
Total Loadcase	-	-	20,070	5,044	3,931	-1,737	0,000	1,215	-34,856	0,000	24,390
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,215	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,204	0,378	0,486	0,528	0,508	0,437	0,331	0,201	0,059
Area under GZ curve from zero heel m.deg		0,0000	1,0324	3,9836	8,3573	13,4785	18,7037	23,4630	27,3256	29,9973	31,3044
Displacement t		20,07	20,07	20,07	20,07	20,07	20,07	20,07	20,07	20,07	20,07
Draft at FP m		0,188	0,172	0,128	0,044	-0,128	-0,436	-0,979	-2,081	-5,411	n/a
Draft at AP m		1,377	1,373	1,339	1,239	1,114	0,982	0,819	0,548	-0,186	n/a
Draft at LCF m		0,897	0,888	0,842	0,736	0,562	0,342	0,004	-0,658	-2,599	n/a
Draft Amidships m		0,782	0,773	0,733	0,642	0,493	0,273	-0,080	-0,767	-2,799	n/a
WL Length m		15,402	15,410	15,327	14,972	13,913	13,917	13,889	13,927	14,596	15,132
Beam max extents on WL m		3,339	3,386	3,309	3,119	2,779	2,462	2,151	1,926	1,791	1,716
Wetted Area m^2		49,353	48,852	46,972	46,035	46,742	47,031	47,233	47,442	47,682	48,125
Waterpl. Area m^2		41,971	41,545	39,052	36,676	33,064	29,222	26,259	24,075	22,726	22,165
Prismatic coeff. (Cp)		0,577	0,580	0,601	0,636	0,704	0,727	0,752	0,774	0,756	0,741
Block coeff. (Cb)		0,438	0,442	0,409	0,389	0,437	0,475	0,532	0,585	0,550	0,485
LCB from amidsh. (+ve aft) m		1,779	1,781	1,783	1,783	1,785	1,788	1,792	1,795	1,799	1,801
LCF from amidsh. (+ve aft) m		1,539	1,525	1,432	1,261	0,894	0,784	0,740	0,660	0,609	0,542
KB m		0,640	0,666	0,738	0,834	0,934	1,025	1,102	1,166	1,222	1,275
KG fluid m		1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215	1,215
BMT m		1,760	1,731	1,458	1,207	0,880	0,626	0,467	0,362	0,310	0,294
BML m		30,799	29,867	28,009	26,373	23,792	20,961	19,071	18,160	17,702	17,922
GML corrected m		1,182	1,136	0,812	0,484	0,068	-0,276	-0,519	-0,692	-0,790	-0,828
GML m		30,222	29,272	27,362	25,650	22,980	20,058	18,086	17,107	16,602	16,799
KMt m		2,394	2,366	2,105	1,877	1,607	1,427	1,335	1,290	1,276	1,275
KML m		31,353	29,999	26,991	23,625	19,127	14,476	10,622	7,368	4,291	1,275
KN m		0,000	0,415	0,793	1,093	1,309	1,439	1,490	1,473	1,398	1,275
Max deck inclination deg		4,2654	10,8537	20,3953	30,2076	40,1210	50,0782	60,0524	70,0331	80,0163	90,0000
Trim angle (+ve by stern) deg		4,2654	4,3061	4,3411	4,2849	4,4523	5,0797	6,4335	9,3607	18,1403	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan

Lengan Stabilitas 20 GT (V) rasio 3,16

Kriteria 20 GT (V) rasio 3,16

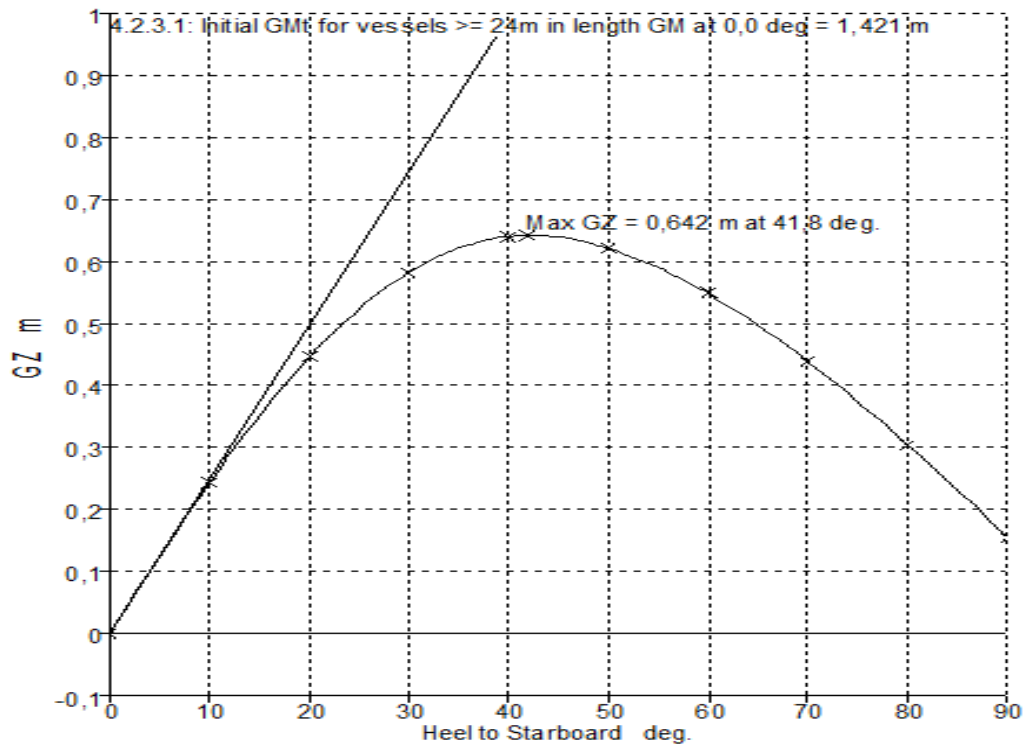
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	8,3573	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	13,4785	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	5,1212	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,529	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	41,8	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,182	Pass

Sumber : Data hasil olahan

30 GT (U) Rasio 2,78

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1,215	6,000	7,290	-	-	-0,615	0,000	1,215	-4,483	0,000	8,857
CF 2	1,215	6,000	7,290	-	-	2,125	0,000	1,215	15,491	0,000	8,857
Fuel Oil	100%	4,135	4,135	4,922	4,922	-2,719	0,000	1,084	-11,243	0,000	4,481
FWT (P)	100%	1,396	1,396	1,396	1,396	-8,936	-1,276	1,882	-12,471	-1,781	2,626
FWT (S)	100%	1,396	1,396	1,396	1,396	-8,936	1,276	1,882	-12,471	1,781	2,626
Total Loadcase	-	-	38,476	7,713	7,713	-1,855	0,000	1,341	-71,387	0,000	51,603
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,341	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,242	0,446	0,582	0,640	0,621	0,549	0,439	0,305	0,156
Area under GZ curve from zero heel m.deg		0,0000	1,2290	4,7154	9,9176	16,0981	22,4620	28,3495	33,3152	37,0503	39,3606
Displacement t		38,48	38,48	38,48	38,48	38,48	38,47	38,48	38,48	38,48	38,48
Draft at FP m		0,158	0,141	0,075	-0,060	-0,304	-0,739	-1,527	-3,151	-8,053	n/a
Draft at AP m		1,562	1,552	1,517	1,432	1,307	1,178	1,037	0,834	0,322	n/a
Draft at LCF m		0,948	0,938	0,895	0,793	0,598	0,313	-0,143	-1,042	-3,696	n/a
Draft Amidships m		0,860	0,846	0,796	0,686	0,502	0,220	-0,245	-1,159	-3,866	n/a
WL Length m		18,779	18,747	18,624	18,172	17,700	17,672	17,763	17,797	17,917	18,822
Beam max extents on WL m		4,133	4,154	4,110	3,886	3,382	3,156	3,063	3,050	2,808	2,659
Wetted Area m^2		75,744	74,993	72,834	70,691	70,852	71,522	72,246	73,003	73,899	74,740
Waterpl. Area m^2		65,533	64,369	60,889	57,465	51,574	46,609	43,010	40,418	38,825	38,101
Prismatic coeff. (Cp)		0,573	0,579	0,600	0,638	0,677	0,705	0,725	0,746	0,757	0,728
Block coeff. (Cb)		0,460	0,459	0,407	0,400	0,447	0,467	0,469	0,459	0,481	0,424
LCB from amidsh. (+ve aft) m		1,904	1,905	1,908	1,912	1,916	1,923	1,932	1,943	1,954	1,964
LCF from amidsh. (+ve aft) m		1,258	1,293	1,368	1,419	1,186	0,965	0,790	0,582	0,402	0,298
KB m		0,649	0,680	0,766	0,883	1,007	1,121	1,224	1,319	1,409	1,498
KG fluid m		1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341	1,341
BMT m		2,116	2,041	1,764	1,484	1,063	0,804	0,660	0,578	0,532	0,518
BML m		39,898	38,670	36,320	34,604	31,441	28,864	27,412	26,746	26,653	26,915
GML corrected m		1,421	1,325	0,988	0,617	0,088	-0,282	-0,528	-0,697	-0,807	-0,862
GML m		39,203	37,954	35,543	33,737	30,466	27,778	26,224	25,471	25,313	25,536
KMt m		2,759	2,685	2,420	2,166	1,820	1,637	1,553	1,516	1,501	1,498
KML m		40,447	38,670	34,816	30,788	25,046	19,638	14,901	10,445	6,025	1,498
KN m		0,000	0,475	0,904	1,253	1,502	1,649	1,710	1,700	1,625	1,498
Max deck inclination deg		4,0402	10,7619	20,3614	30,2084	40,1310	50,0921	60,0686	70,0489	80,0269	90,0000
Trim angle (+ve by stern) deg		4,0402	4,0591	4,1491	4,2935	4,6329	5,5091	7,3505	11,3371	22,8492	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (U) rasio 2,78

Kriteria 30 GT (U) rasio 2,78

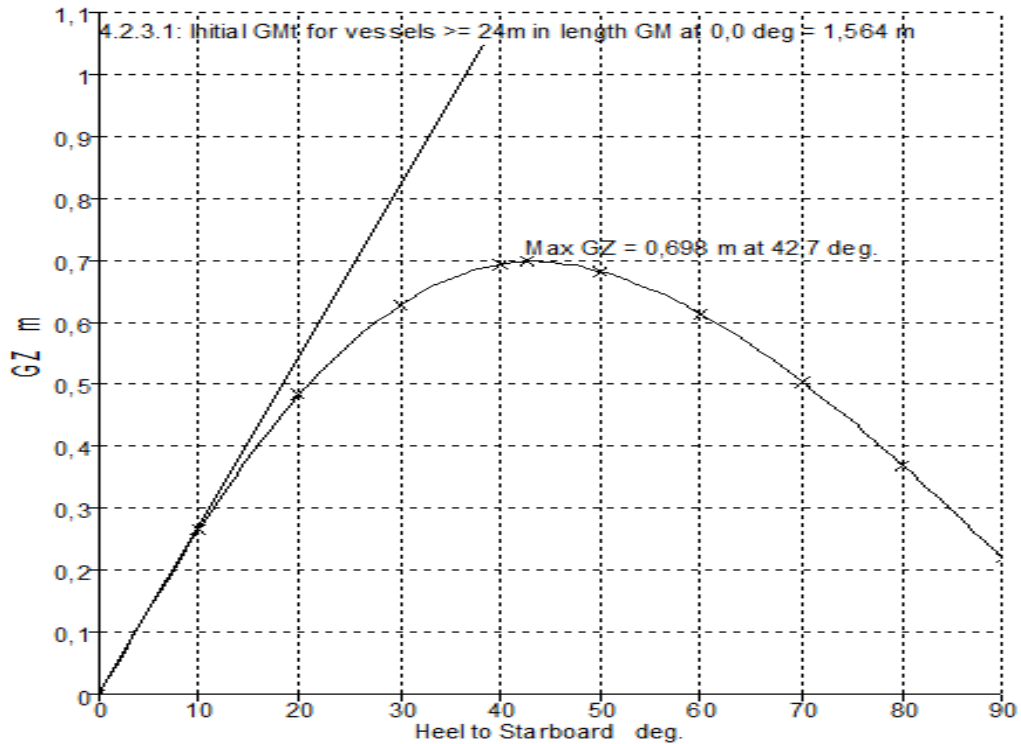
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	9,9176	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	16,0981	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	6,1805	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,642	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	41,8	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,421	Pass

Sumber : Data hasil olahan

30 GT (U) Rasio 2,98

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1	6,000	6,000	-	-	-0,615	0,000	1,000	-3,690	0,000	6,000
CF 2	1	6,000	6,000	-	-	2,125	0,000	1,000	12,750	0,000	6,000
Fuel Oil	99,85%	4,135	4,128	4,922	4,915	-2,719	0,000	1,083	-11,227	0,000	4,471
FWT (P)	100%	1,396	1,396	1,396	1,396	-8,936	-1,276	1,882	-12,471	-1,781	2,626
FWT (S)	100%	1,396	1,396	1,396	1,396	-8,936	1,276	1,882	-12,471	1,781	2,626
Total Loadcase	-	-	35,890	7,713	7,706	-2,043	0,000	1,278	-73,319	0,000	45,878
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,278	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,265	0,483	0,627	0,694	0,682	0,614	0,505	0,370	0,220
Area under GZ curve from zero heel m.deg		0,0000	1,3479	5,1444	10,7599	17,4333	24,3724	30,8897	36,5114	40,9049	43,8629
Displacement t		35,89	35,89	35,89	35,89	35,89	35,89	35,89	35,89	35,89	35,89
Draft at FP m		0,080	0,059	-0,019	-0,169	-0,432	-0,896	-1,732	-3,443	-8,602	n/a
Draft at AP m		1,552	1,543	1,509	1,423	1,292	1,152	0,991	0,743	0,102	n/a
Draft at LCF m		0,917	0,906	0,861	0,753	0,548	0,246	-0,241	-1,197	-4,007	n/a
Draft Amidships m		0,816	0,801	0,745	0,627	0,430	0,128	-0,370	-1,350	-4,250	n/a
WL Length m		18,645	18,586	18,331	17,690	17,516	17,491	17,569	17,597	17,688	18,602
Beam max extents on WL m		4,125	4,138	4,065	3,817	3,361	3,085	2,926	2,970	2,761	2,613
Wetted Area m^2		73,674	72,705	70,268	67,999	68,098	68,693	69,416	70,046	70,827	71,770
Waterpl. Area m^2		64,430	62,957	59,091	55,648	50,349	45,566	42,111	39,470	37,898	37,290
Prismatic coeff. (Cp)		0,560	0,568	0,595	0,640	0,667	0,692	0,713	0,734	0,746	0,716
Block coeff. (Cb)		0,446	0,448	0,402	0,402	0,438	0,465	0,477	0,458	0,476	0,419
LCB from amidsh. (+ve aft) m		2,090	2,092	2,096	2,100	2,105	2,114	2,125	2,135	2,146	2,156
LCF from amidsh. (+ve aft) m		1,354	1,411	1,501	1,573	1,361	1,144	0,945	0,729	0,556	0,430
KB m		0,638	0,671	0,758	0,876	1,002	1,117	1,221	1,317	1,408	1,499
KG fluid m		1,278	1,278	1,278	1,278	1,278	1,278	1,278	1,278	1,278	1,278
BMT m		2,206	2,100	1,775	1,487	1,081	0,816	0,663	0,574	0,535	0,524
BML m		41,047	39,550	36,884	35,010	32,006	29,430	28,087	27,252	27,087	27,566
GML corrected m		1,564	1,435	1,044	0,658	0,136	-0,250	-0,516	-0,704	-0,819	-0,882
GML m		40,405	38,885	36,153	34,181	31,061	28,364	26,907	25,974	25,733	26,161
KMt m		2,838	2,734	2,422	2,161	1,828	1,640	1,552	1,513	1,501	1,499
KML m		41,573	39,516	35,328	31,122	25,466	19,993	15,232	10,614	6,098	1,499
KN m		0,000	0,487	0,920	1,266	1,516	1,661	1,721	1,706	1,629	1,499
Max deck inclination deg		4,2359	10,8399	20,4050	30,2371	40,1500	50,1050	60,0773	70,0539	80,0291	90,0000
Trim angle (+ve by stern) deg		4,2359	4,2698	4,3947	4,5799	4,9577	5,8823	7,8004	11,8913	23,6491	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (U) rasio 2,98

Kriteria 30 GT (U) rasio 2,98

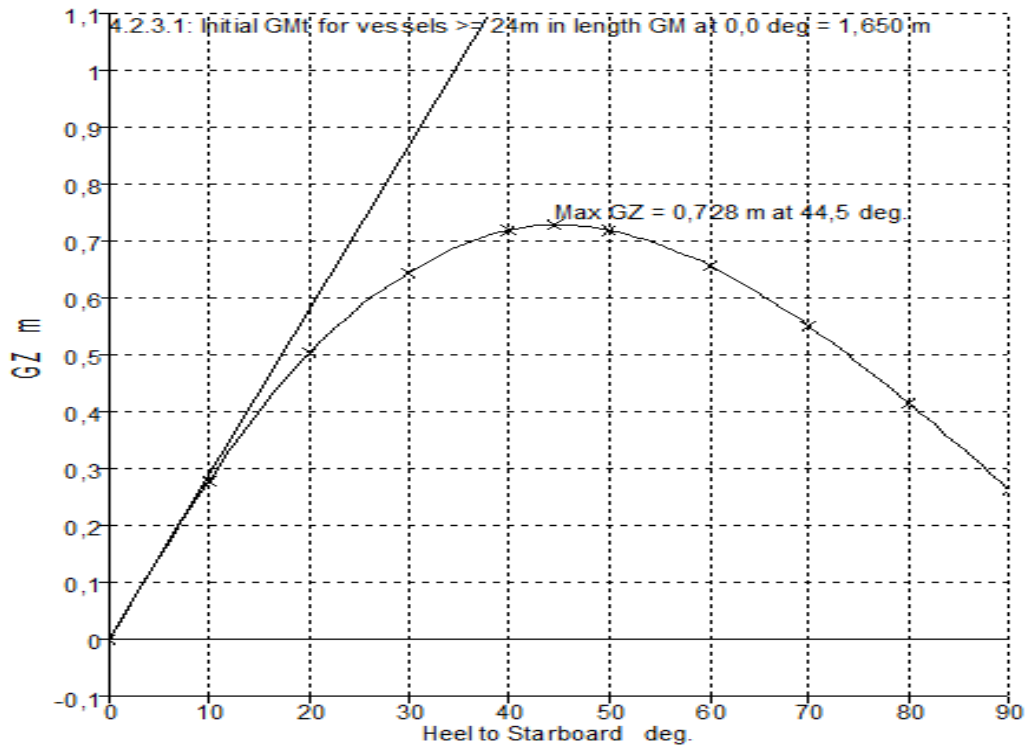
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	10,7599	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	17,4333	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	6,6734	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,698	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	42,7	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,564	Pass

Sumber : Data hasil olahan

30 GT (U) Rasio 3,18

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1	6,000	6,000	-	-	-0,615	0,000	1,000	-3,690	0,000	6,000
CF 2	1	6,000	6,000	-	-	2,125	0,000	1,050	12,750	0,000	6,300
Fuel Oil	75%	4,135	3,101	4,922	3,692	-2,719	0,000	0,940	-8,432	0,000	2,914
FWT (P)	54%	1,396	0,754	1,396	0,754	-8,910	-1,232	1,646	-6,715	-0,929	1,240
FWT (S)	54%	1,396	0,754	1,396	0,754	-8,910	1,232	1,646	-6,715	0,929	1,240
Total Loadcase	-	-	33,578	7,713	5,199	-1,757	0,000	1,246	-59,013	0,000	41,850
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,246	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,279	0,503	0,645	0,720	0,718	0,657	0,550	0,415	0,263
Area under GZ curve from zero heel m.deg		0,0000	1,4210	5,3977	11,2006	18,0835	25,3344	32,2514	38,3140	43,1568	46,5537
Displacement t		33,58	33,58	33,58	33,58	33,58	33,58	33,58	33,58	33,58	33,58
Draft at FP m		0,135	0,116	0,045	-0,098	-0,342	-0,775	-1,562	-3,183	-8,093	n/a
Draft at AP m		1,448	1,435	1,390	1,288	1,120	0,916	0,653	0,201	-1,021	n/a
Draft at LCF m		0,872	0,860	0,809	0,694	0,487	0,162	-0,359	-1,388	-4,416	n/a
Draft Amidships m		0,791	0,776	0,717	0,595	0,389	0,071	-0,454	-1,491	-4,557	n/a
WL Length m		18,719	18,683	18,491	17,896	17,600	17,583	17,672	17,712	17,823	18,757
Beam max extents on WL m		4,116	4,116	3,989	3,716	3,338	3,078	2,980	2,981	2,778	2,631
Wetted Area m^2		72,107	71,190	68,547	66,182	65,658	66,408	66,769	67,462	68,447	69,305
Waterpl. Area m^2		63,864	62,355	58,173	54,663	50,580	46,175	42,208	39,554	38,136	37,429
Prismatic coeff. (Cp)		0,555	0,564	0,591	0,634	0,666	0,694	0,719	0,744	0,761	0,735
Block coeff. (Cb)		0,439	0,441	0,398	0,398	0,429	0,457	0,470	0,463	0,488	0,426
LCB from amidsh. (+ve aft) m		1,800	1,802	1,805	1,808	1,812	1,815	1,826	1,835	1,845	1,854
LCF from amidsh. (+ve aft) m		1,215	1,276	1,357	1,414	1,332	1,075	0,856	0,604	0,396	0,289
KB m		0,596	0,631	0,720	0,837	0,970	1,095	1,209	1,313	1,412	1,509
KG fluid m		1,246	1,246	1,246	1,246	1,246	1,246	1,246	1,246	1,246	1,246
BMT m		2,301	2,178	1,794	1,486	1,174	0,895	0,715	0,619	0,584	0,570
BML m		43,218	41,867	39,083	37,172	34,427	32,341	30,213	29,459	29,619	29,980
GML corrected m		1,650	1,502	1,049	0,640	0,207	-0,198	-0,498	-0,700	-0,820	-0,892
GML m		42,567	41,191	38,337	36,326	33,461	31,249	29,000	28,140	28,216	28,517
KMt m		2,893	2,771	2,402	2,122	1,868	1,669	1,566	1,524	1,513	1,509
KML m		43,721	41,774	37,371	32,971	27,301	21,853	16,292	11,371	6,545	1,509
KN m		0,000	0,496	0,930	1,268	1,521	1,673	1,736	1,721	1,642	1,509
Max deck inclination deg		3,7797	10,6694	20,3149	30,1800	40,1081	50,0717	60,0512	70,0353	80,0192	90,0000
Trim angle (+ve by stern) deg		3,7797	3,7963	3,8710	3,9897	4,2077	4,8623	6,3576	9,6647	19,5855	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (U) rasio 3,18

Kriteria 30 GT (U) rasio 3,18

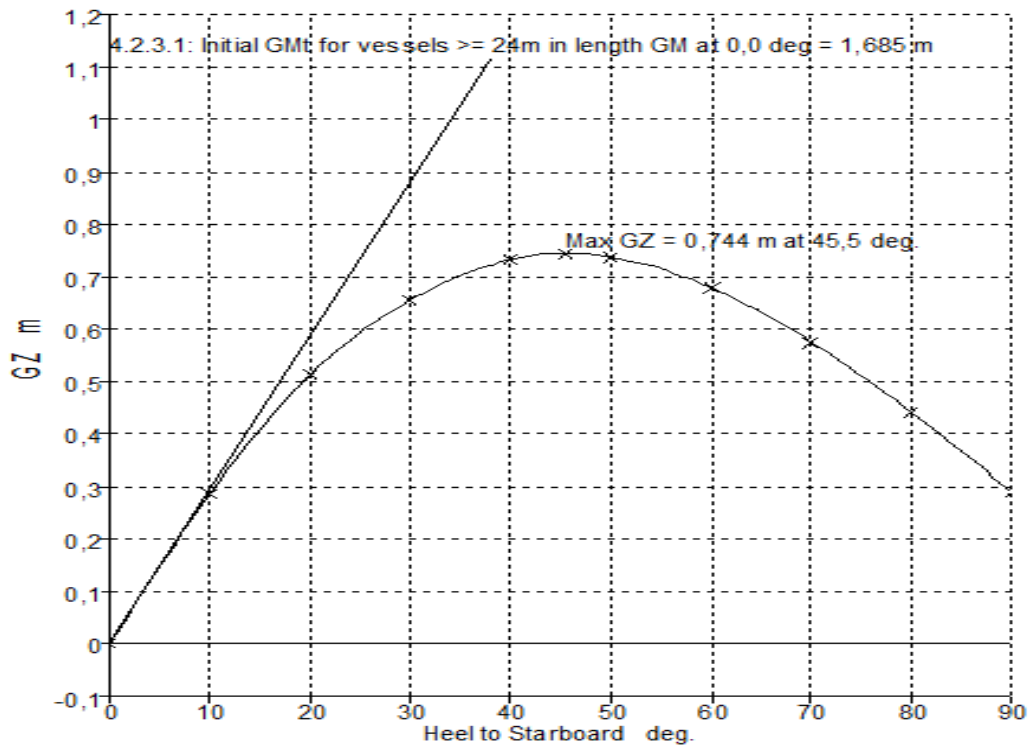
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	11,2006	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	18,0835	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	6,8829	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,728	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	44,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels $\geq 24\text{m}$ in length	0,350	m	1,650	Pass

Sumber : Data hasil olahan

30 GT (U) Rasio 3,38

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1	6,000	6,000	-	-	-0,615	0,000	1,000	-3,690	0,000	6,000
CF 2	1	6,000	6,000	-	-	2,125	0,000	1,000	12,750	0,000	6,000
Fuel Oil	75%	4,135	3,101	4,922	3,692	-2,719	0,000	0,940	-8,432	0,000	2,914
FWT (P)	28,25%	1,396	0,394	1,396	0,394	-8,861	-1,177	1,491	-3,494	-0,464	0,588
FWT (S)	28,25%	1,396	0,394	1,396	0,394	-8,861	1,177	1,491	-3,494	0,464	0,588
Total Loadcase	-	-	32,859	7,713	4,480	-1,600	0,000	1,225	-52,570	0,000	40,245
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,225	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,285	0,512	0,655	0,733	0,737	0,680	0,575	0,441	0,289
Area under GZ curve from zero heel m.deg		0,0000	1,4509	5,5057	11,4027	18,3969	25,8092	32,9385	39,2447	44,3482	48,0110
Displacement t		32,86	32,86	32,86	32,86	32,86	32,86	32,86	32,86	32,86	32,86
Draft at FP m		0,168	0,151	0,084	-0,054	-0,288	-0,704	-1,466	-3,040	-7,814	n/a
Draft at AP m		1,402	1,388	1,337	1,229	1,047	0,817	0,510	-0,026	-1,488	n/a
Draft at LCF m		0,855	0,844	0,791	0,673	0,464	0,136	-0,401	-1,454	-4,549	n/a
Draft Amidships m		0,785	0,769	0,710	0,587	0,379	0,056	-0,478	-1,533	-4,651	n/a
WL Length m		18,770	18,736	18,600	18,101	17,661	17,646	17,745	17,785	17,912	18,853
Beam max extents on WL m		4,113	4,107	3,962	3,678	3,341	3,094	3,029	2,988	2,797	2,643
Wetted Area m^2		71,597	70,733	68,054	65,642	65,104	65,543	66,012	66,720	67,688	68,563
Waterpl. Area m^2		63,662	62,178	57,953	54,403	50,937	46,362	42,410	39,751	38,285	37,584
Prismatic coeff. (Cp)		0,555	0,564	0,590	0,630	0,667	0,696	0,722	0,751	0,770	0,746
Block coeff. (Cb)		0,438	0,439	0,396	0,395	0,424	0,451	0,462	0,467	0,493	0,431
LCB from amidsh. (+ve aft) m		1,638	1,641	1,644	1,646	1,649	1,652	1,662	1,670	1,679	1,689
LCF from amidsh. (+ve aft) m		1,132	1,195	1,272	1,326	1,256	1,035	0,776	0,521	0,320	0,210
KB m		0,579	0,614	0,704	0,821	0,956	1,086	1,204	1,311	1,413	1,514
KG fluid m		1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225	1,225
BMT m		2,332	2,202	1,802	1,485	1,215	0,929	0,739	0,641	0,601	0,592
BML m		43,921	42,700	40,012	38,052	35,785	33,198	31,288	30,526	30,629	31,030
GMT corrected m		1,685	1,531	1,059	0,640	0,248	-0,167	-0,482	-0,690	-0,818	-0,891
GML m		43,275	42,028	39,269	37,207	34,818	32,101	30,067	29,195	29,210	29,547
KMt m		2,907	2,779	2,394	2,105	1,886	1,682	1,573	1,530	1,518	1,514
KML m		44,416	42,586	38,237	33,724	28,333	22,399	16,829	11,737	6,724	1,514
KN m		0,000	0,498	0,931	1,267	1,520	1,676	1,740	1,726	1,648	1,514
Max deck inclination deg		3,5509	10,5910	20,2740	30,1542	40,0901	50,0580	60,0408	70,0280	80,0154	90,0000
Trim angle (+ve by stern) deg		3,5509	3,5602	3,6091	3,6916	3,8423	4,3756	5,6755	8,6216	17,6538	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (U) rasio 3,38

Kriteria 30 GT (U) rasio 3,38

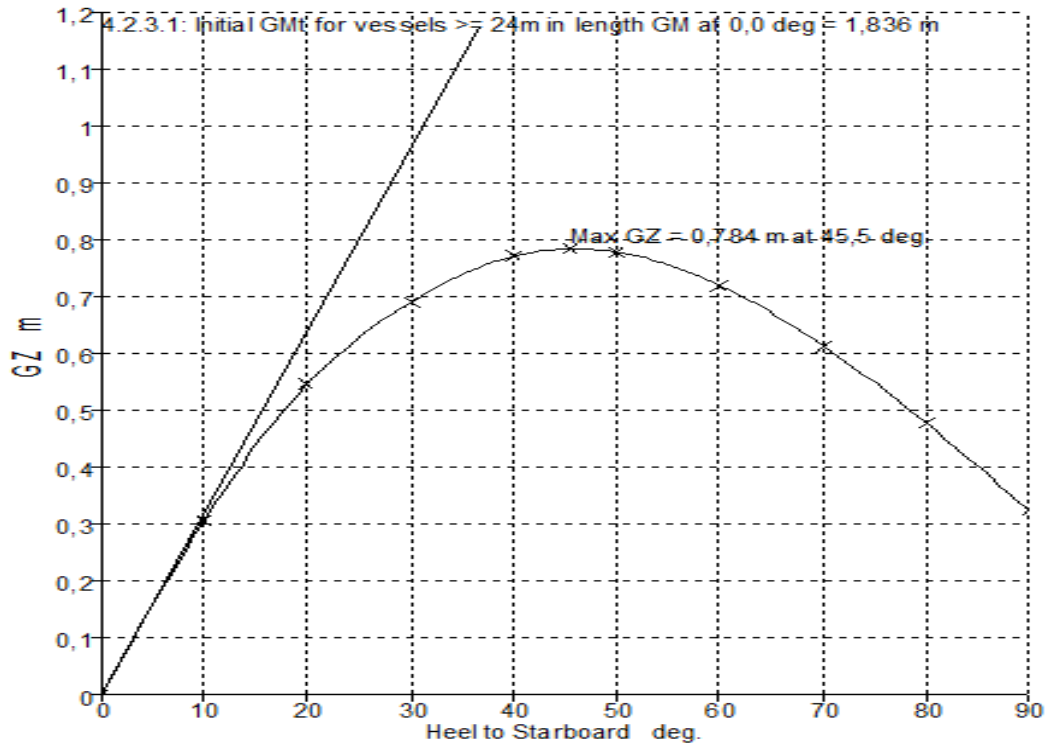
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	11,4027	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	18,3969	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	6,9941	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,744	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	45,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels $\geq 24\text{m}$ in length	0,350	m	1,685	Pass

Sumber : Data hasil olahan

30 GT (U) Rasio 3,58

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	0,8	6,000	4,800	-	-	-0,615	0,000	0,800	-2,952	0,000	3,840
CF 2	0,8	6,000	4,800	-	-	2,125	0,000	0,800	10,200	0,000	3,840
Fuel Oil	50%	4,135	2,067	4,922	2,461	-2,719	0,000	0,796	-5,621	0,000	1,645
FWT (P)	49,65%	1,396	0,693	1,396	0,693	-8,906	-1,226	1,621	-6,171	-0,849	1,123
FWT (S)	49,65%	1,396	0,693	1,396	0,693	-8,906	1,226	1,621	-6,171	0,849	1,123
Total Loadcase	-	-	30,023	7,713	3,847	-1,896	0,000	1,190	-56,925	0,000	35,727
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,190	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,308	0,546	0,691	0,771	0,778	0,720	0,614	0,478	0,324
Area under GZ curve from zero heel m.deg		0,0000	1,5700	5,9123	12,1578	19,5228	27,3312	34,8690	41,5707	47,0490	51,0687
Displacement t		30,02	30,02	30,02	30,02	30,02	30,02	30,02	30,02	30,02	30,02
Draft at FP m		0,062	0,038	-0,047	-0,206	-0,469	-0,925	-1,748	-3,441	-8,570	n/a
Draft at AP m		1,406	1,393	1,345	1,238	1,056	0,823	0,503	-0,060	-1,601	n/a
Draft at LCF m		0,821	0,810	0,752	0,628	0,409	0,062	-0,510	-1,624	-4,902	n/a
Draft Amidships m		0,734	0,716	0,649	0,516	0,294	-0,051	-0,623	-1,750	-5,086	n/a
WL Length m		18,556	18,474	18,188	17,526	17,413	17,394	17,479	17,507	17,591	18,547
Beam max extents on WL m		4,102	4,085	3,897	3,602	3,322	2,975	2,883	2,855	2,737	2,578
Wetted Area m^2		69,112	67,911	64,921	62,554	61,908	62,238	62,667	63,325	64,309	65,188
Waterpl. Area m^2		62,164	60,236	55,651	52,078	49,069	44,728	40,970	38,460	37,143	36,506
Prismatic coeff. (Cp)		0,538	0,548	0,581	0,628	0,652	0,679	0,706	0,731	0,751	0,724
Block coeff. (Cb)		0,420	0,425	0,390	0,395	0,411	0,452	0,467	0,469	0,484	0,421
LCB from amidsh. (+ve aft) m		1,937	1,939	1,944	1,948	1,952	1,958	1,967	1,975	1,984	1,994
LCF from amidsh. (+ve aft) m		1,290	1,380	1,474	1,541	1,505	1,286	0,998	0,741	0,524	0,402
KB m		0,572	0,608	0,699	0,817	0,952	1,083	1,201	1,308	1,411	1,514
KG fluid m		1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190	1,190
BMT m		2,455	2,273	1,809	1,476	1,228	0,936	0,735	0,636	0,611	0,599
BML m		45,386	43,727	40,688	38,489	36,308	33,694	31,885	31,092	31,347	31,903
GML corrected m		1,836	1,626	1,086	0,645	0,268	-0,160	-0,492	-0,708	-0,828	-0,910
GML m		44,766	43,080	39,965	37,657	35,349	32,598	30,658	29,748	29,907	30,394
KMt m		3,021	2,841	2,395	2,092	1,891	1,683	1,568	1,525	1,517	1,514
KML m		45,854	43,574	38,850	34,083	28,718	22,706	17,118	11,924	6,844	1,514
KN m		0,000	0,514	0,953	1,286	1,536	1,690	1,751	1,732	1,650	1,514
Max deck inclination deg		3,8678	10,7055	20,3367	30,1951	40,1175	50,0766	60,0529	70,0352	80,0187	90,0000
Trim angle (+ve by stern) deg		3,8678	3,9008	4,0042	4,1540	4,3868	5,0251	6,4616	9,6524	19,3209	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (U) rasio 3,58

Kriteria 30 GT (U) rasio 3,58

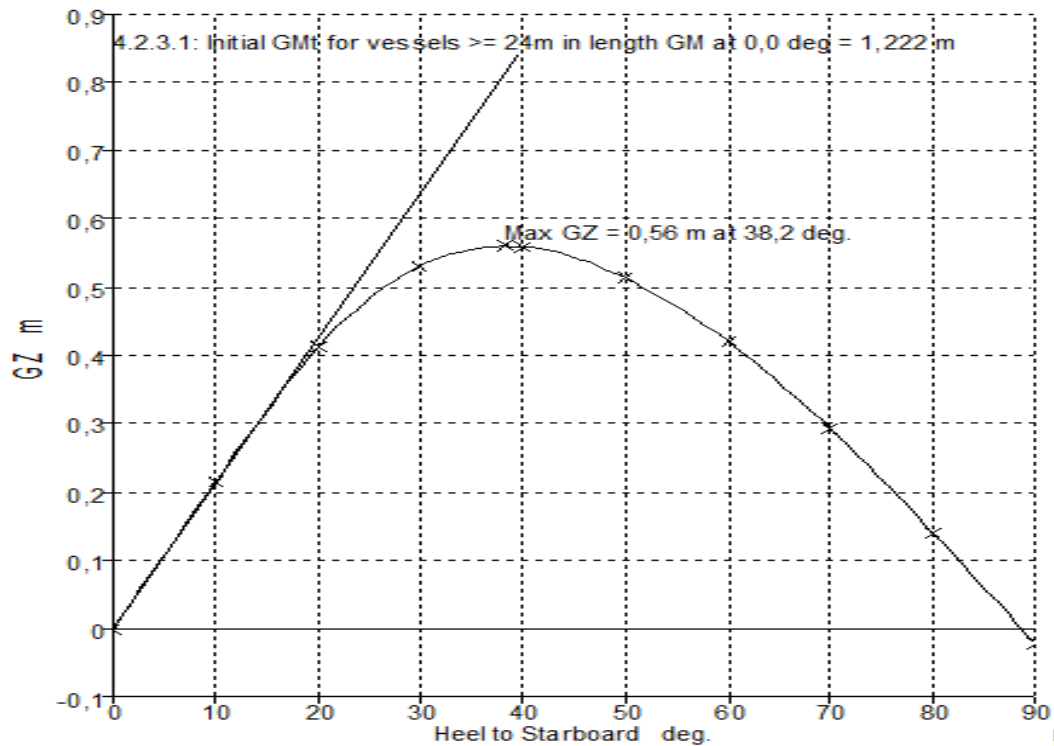
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	12,1578	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	19,5228	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	7,3650	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,784	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	45,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMT for vessels ≥ 24 m in length	0,350	m	1,836	Pass

Sumber : Data hasil olahan

30 GT (V) Rasio 2,78

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1,4	6,000	8,400	-	-	-0,615	0,000	1,400	-5,166	0,000	11,760
CF 2	1,4	6,000	8,400	-	-	-2,125	0,000	1,400	17,850	0,000	11,760
Fuel Oil	75%	4,134	3,101	4,922	3,691	-2,719	0,000	0,940	-8,432	0,000	2,914
FWT (P)	100%	1,554	1,554	1,554	1,554	-8,742	-1,462	1,790	-13,584	-2,272	2,781
FWT (S)	100%	1,554	1,554	1,554	1,554	-8,742	1,462	1,790	-13,584	2,272	2,781
Total Loadcase	-	-	39,979	8,030	6,799	-1,729	0,000	1,405	-69,126	0,000	56,152
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,405	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,255	0,479	0,615	0,666	0,638	0,556	0,431	0,279	0,110
Area under GZ curve from zero heel m.deg		0,0000	1,2805	5,0029	10,5542	17,0266	23,6027	29,6107	34,5743	38,1429	40,0944
Displacement t		39,98	39,98	39,98	39,98	39,98	39,98	39,98	39,98	39,98	39,98
Draft at FP m		0,402	0,385	0,331	0,232	0,045	-0,277	-0,857	-2,060	-5,701	n/a
Draft at AP m		1,591	1,591	1,567	1,463	1,318	1,161	0,972	0,673	-0,138	n/a
Draft at LCF m		1,088	1,083	1,039	0,926	0,733	0,486	0,107	-0,625	-2,806	n/a
Draft Amidships m		0,996	0,988	0,949	0,848	0,681	0,442	0,058	-0,694	-2,920	n/a
WL Length m		18,206	18,213	18,197	17,972	17,703	16,976	16,998	16,977	17,411	18,051
Beam max extents on WL m		4,116	4,168	4,137	3,838	3,392	3,229	2,823	2,447	2,241	2,123
Wetted Area m^2		77,553	77,190	73,985	71,837	72,597	73,049	73,347	73,387	73,815	74,428
Waterpl. Area m^2		63,926	63,939	59,933	56,002	49,687	44,199	40,018	36,573	34,696	33,953
Prismatic coeff. (Cp)		0,621	0,622	0,639	0,667	0,697	0,750	0,771	0,794	0,792	0,776
Block coeff. (Cb)		0,491	0,495	0,420	0,400	0,426	0,447	0,503	0,573	0,589	0,542
LCB from amidsh. (+ve aft) m		1,770	1,771	1,774	1,776	1,778	1,781	1,786	1,792	1,797	1,800
LCF from amidsh. (+ve aft) m		1,443	1,474	1,356	1,194	0,757	0,574	0,505	0,472	0,383	0,298
KB m		0,760	0,793	0,881	0,995	1,112	1,215	1,306	1,384	1,452	1,515
KG fluid m		1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405	1,405
BMT m		2,103	2,119	1,764	1,434	0,993	0,725	0,560	0,432	0,371	0,356
BML m		35,058	34,715	32,135	30,483	27,309	24,331	22,246	20,797	20,453	20,753
GML corrected m		1,458	1,452	1,031	0,605	0,051	-0,332	-0,601	-0,815	-0,939	-0,988
GML m		34,413	34,047	31,403	29,654	26,367	23,274	21,085	19,549	19,143	19,409
KMt m		2,859	2,876	2,535	2,235	1,871	1,681	1,585	1,531	1,516	1,515
KML m		35,749	34,912	31,021	27,352	22,003	16,836	12,416	8,488	4,999	1,515
KN m		0,000	0,499	0,960	1,318	1,569	1,714	1,772	1,751	1,662	1,515
Max deck inclination deg		3,6261	10,6308	20,2989	30,1596	40,0921	50,0583	60,0393	70,0258	80,0134	90,0000
Trim angle (+ve by stern) deg		3,6261	3,6819	3,7706	3,7559	3,8850	4,3843	5,5706	8,2907	16,5211	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (V) rasio 2,78

Kriteria 30 GT (V) rasio 2,78

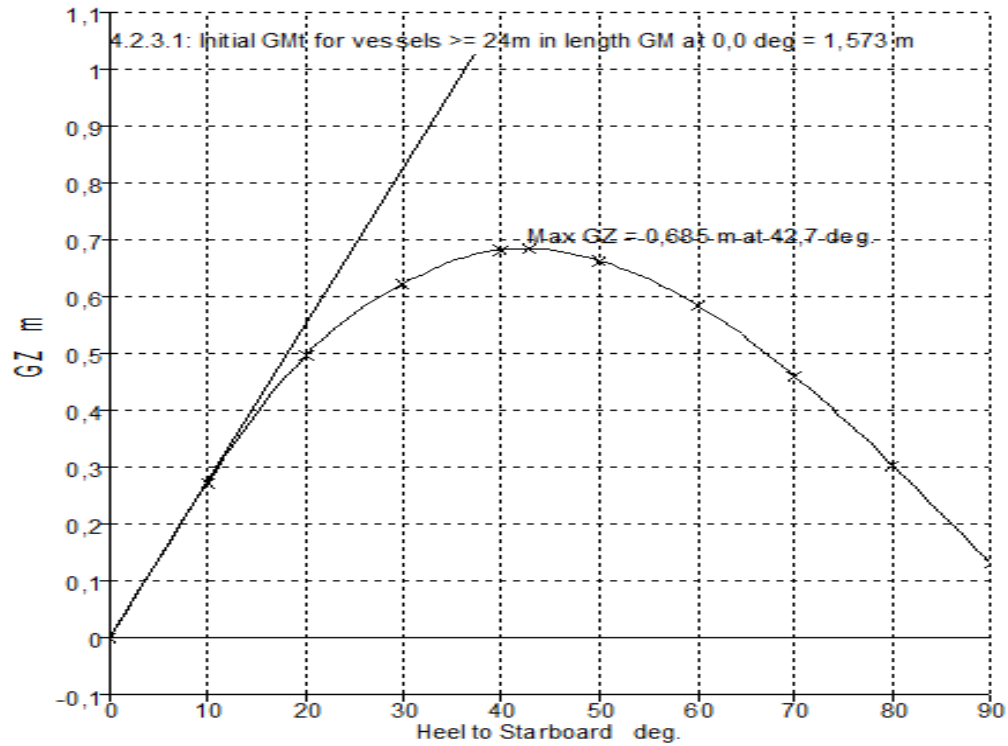
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	9,0355	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	14,5572	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	5,5218	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,560	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	38,2	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels $\geq 24\text{m}$ in length	0,350	m	1,222	Pass

Sumber : Data hasil olahan

30 GT (V) Rasio 2,98

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1,307	6,000	7,842	-	-	-0,615	0,000	1,307	-4,823	0,000	10,249
CF 2	1,307	6,000	7,842	-	-	2,125	0,000	1,307	16,664	0,000	10,249
Fuel Oil	74%	4,134	3,059	4,922	3,642	-2,719	0,000	0,934	-8,319	0,000	2,858
FWT (P)	48,5%	1,554	0,754	1,554	0,754	-8,732	-1,437	1,485	-6,581	-1,083	1,119
FWT (S)	48,5%	1,554	0,754	1,554	0,754	-8,732	1,437	1,485	-6,581	1,083	1,119
Total Loadcase	-	-	37,221	8,030	5,150	-1,500	0,000	1,337	-55,850	0,000	49,751
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,390	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,272	0,496	0,623	0,683	0,664	0,586	0,460	0,304	0,131
Area under GZ curve from zero heel m.deg		0,0000	1,3802	5,2900	10,9534	17,5394	24,3336	30,6255	35,8890	39,7291	41,9094
Displacement t		37,22	37,22	37,22	37,22	37,22	37,22	37,22	37,22	37,22	37,22
Draft at FP m		0,434	0,418	0,373	0,281	0,115	-0,176	-0,712	-1,835	-5,248	n/a
Draft at AP m		1,494	1,492	1,450	1,326	1,128	0,893	0,585	0,053	-1,425	n/a
Draft at LCF m		1,044	1,035	0,982	0,865	0,661	0,386	-0,034	-0,860	-3,280	n/a
Draft Amidships m		0,964	0,955	0,912	0,803	0,621	0,358	-0,063	-0,891	-3,337	n/a
WL Length m		18,211	18,218	18,205	18,159	17,806	17,081	17,119	17,109	17,546	18,192
Beam max extents on WL m		4,101	4,157	4,026	3,732	3,370	3,256	2,846	2,455	2,248	2,127
Wetted Area m^2		76,326	75,502	71,782	69,583	70,062	70,695	70,787	70,981	71,134	71,735
Waterpl. Area m^2		63,865	63,257	58,346	55,019	50,197	44,907	40,369	36,986	34,813	34,043
Prismatic coeff. (Cp)		0,615	0,617	0,638	0,662	0,695	0,750	0,775	0,802	0,805	0,795
Block coeff. (Cb)		0,479	0,483	0,421	0,396	0,417	0,435	0,494	0,587	0,624	0,568
LCB from amidsh. (+ve aft) m		1,539	1,540	1,542	1,542	1,541	1,539	1,542	1,546	1,549	1,552
LCF from amidsh. (+ve aft) m		1,419	1,386	1,225	1,103	0,733	0,486	0,420	0,310	0,280	0,191
KB m		0,722	0,756	0,846	0,958	1,083	1,197	1,297	1,380	1,453	1,521
KG fluid m		1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390
BMT m		2,242	2,203	1,743	1,465	1,105	0,811	0,610	0,472	0,406	0,385
BML m		37,778	36,602	33,623	32,342	29,929	27,005	24,433	23,319	22,455	22,780
GML corrected m		1,573	1,510	0,982	0,605	0,130	-0,282	-0,593	-0,823	-0,956	-1,015
GML m		37,109	35,909	32,862	31,482	28,954	25,912	23,230	22,025	21,093	21,380
KMT m		2,960	2,923	2,482	2,225	1,929	1,718	1,602	1,542	1,524	1,521
KML m		38,440	36,745	32,395	28,935	23,990	18,544	13,506	9,351	5,350	1,521
KN m		0,000	0,514	0,971	1,318	1,576	1,729	1,790	1,767	1,673	1,521
Max deck inclination deg		3,2364	10,5030	20,2278	30,1151	40,0584	50,0323	60,0198	70,0123	80,0063	90,0000
Trim angle (+ve by stern) deg		3,2364	3,2776	3,2889	3,1891	3,0930	3,2640	3,9562	5,7486	11,5223	90,0000

Sumber : Data hasil olahan



Sumber : Data hasil olahan
Lengan Stabilitas 30 GT (V) rasio 2,98

Kriteria 30 GT (V) rasio 3,98

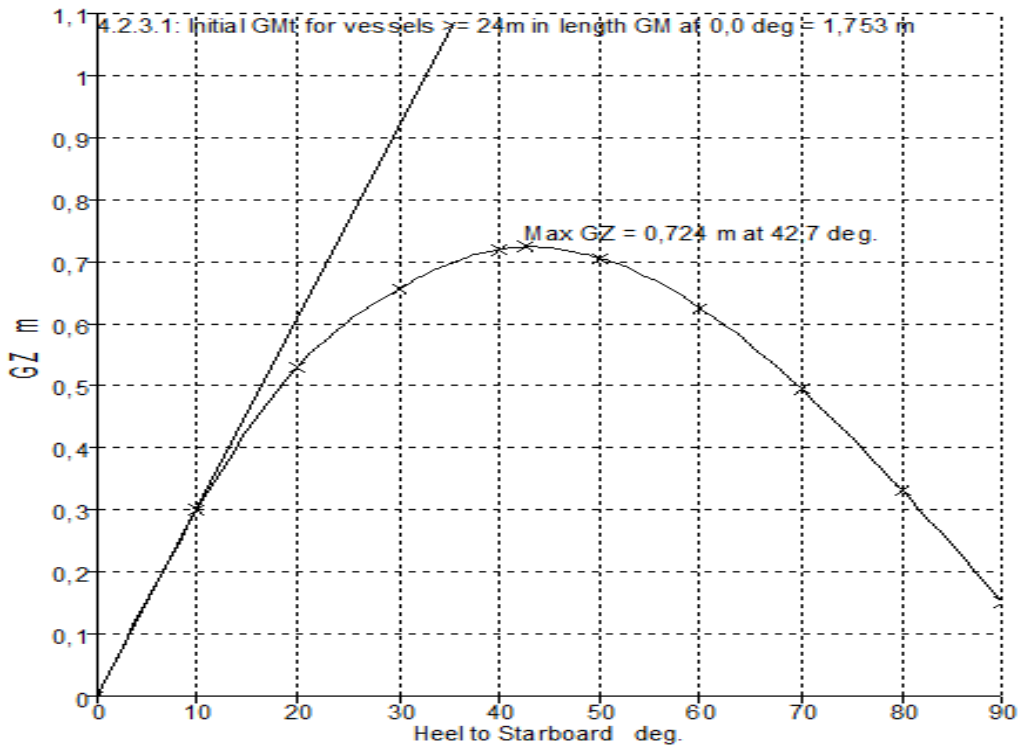
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	10,9534	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	17,5394	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	6,5860	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,685	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	42,7	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,573	Pass

Sumber : Data hasil olahan

30 GT (V) Rasio 3,18

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1	6,000	6,000	-	-	-0,615	0,000	1,000	-3,690	0,000	6,000
CF 2	1	6,000	6,000	-	-	2,125	0,000	1,050	12,750	0,000	6,300
Fuel Oil	74%	4,134	3,059	4,922	3,642	-2,719	0,000	0,934	-8,319	0,000	2,858
FWT (P)	48,5%	1,554	0,754	1,554	0,754	-8,732	-1,437	1,485	-6,581	-1,083	1,119
FWT (S)	48,5%	1,554	0,754	1,554	0,754	-8,732	1,437	1,485	-6,581	1,083	1,119
Total Loadcase	-	-	33,537	8,030	5,150	-1,748	0,000	1,239	-58,631	0,000	41,552
FS correction	-	-	-	-	-	-	-	0,00	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,373	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,301	0,531	0,656	0,720	0,706	0,626	0,495	0,332	0,152
Area under GZ curve from zero heel m.deg		0,0000	1,5347	5,7788	11,7843	18,7155	25,9066	32,6135	38,2512	42,4073	44,8379
Displacement t		33,54	33,54	33,54	33,54	33,54	33,54	33,53	33,54	33,54	33,54
Draft at FP m		0,311	0,291	0,234	0,128	-0,055	-0,389	-1,004	-2,283	-6,141	n/a
Draft at AP m		1,485	1,483	1,438	1,307	1,095	0,841	0,502	-0,094	-1,761	n/a
Draft at LCF m		0,997	0,985	0,925	0,797	0,583	0,279	-0,194	-1,126	-3,834	n/a
Draft Amidships m		0,898	0,887	0,836	0,718	0,520	0,226	-0,251	-1,189	-3,951	n/a
WL Length m		18,145	18,150	18,130	18,042	17,111	16,753	16,769	16,712	17,208	17,876
Beam max extents on WL m		4,089	4,147	3,917	3,629	3,332	3,128	2,708	2,386	2,183	2,070
Wetted Area m^2		73,327	72,170	68,047	65,881	65,714	66,026	66,006	66,506	66,680	67,219
Waterpl. Area m^2		62,462	61,371	55,749	52,504	48,503	43,198	38,544	35,656	33,580	32,808
Prismatic coeff. (Cp)		0,594	0,597	0,620	0,646	0,702	0,743	0,770	0,800	0,799	0,785
Block coeff. (Cb)		0,459	0,463	0,411	0,386	0,414	0,436	0,503	0,590	0,615	0,557
LCB from amidsh. (+ve aft) m		1,790	1,791	1,795	1,796	1,795	1,795	1,796	1,802	1,806	1,809
LCF from amidsh. (+ve aft) m		1,576	1,544	1,383	1,266	1,014	0,802	0,711	0,537	0,499	0,421
KB m		0,704	0,741	0,832	0,944	1,073	1,194	1,296	1,381	1,456	1,526
KG fluid m		1,373	1,373	1,373	1,373	1,373	1,373	1,373	1,373	1,373	1,373
BMT m		2,423	2,327	1,747	1,469	1,171	0,846	0,614	0,489	0,420	0,398
BML m		39,502	37,897	34,595	33,179	30,145	26,838	24,471	23,904	23,074	23,336
GML corrected m		1,753	1,630	0,976	0,594	0,175	-0,275	-0,624	-0,848	-0,989	-1,054
GML m		38,832	37,200	33,824	32,304	29,149	25,716	23,232	22,567	21,664	21,885
KMT m		3,123	3,028	2,471	2,215	1,970	1,737	1,603	1,549	1,529	1,526
KML m		40,129	37,989	33,282	29,636	24,140	18,429	13,522	9,551	5,459	1,526
KN m		0,000	0,539	1,001	1,343	1,602	1,758	1,815	1,785	1,685	1,526
Max deck inclination deg		3,5829	10,6163	20,2837	30,1465	40,0752	50,0427	60,0266	70,0166	80,0083	90,0000
Trim angle (+ve by stern) deg		3,5829	3,6380	3,6732	3,5978	3,5100	3,7535	4,5907	6,6568	13,1473	90,0000

Sumber : Data hasil olahan



Lengan Stabilitas 30 GT (V) rasio 3,18

Kriteria 30 GT (V) rasio 3,18

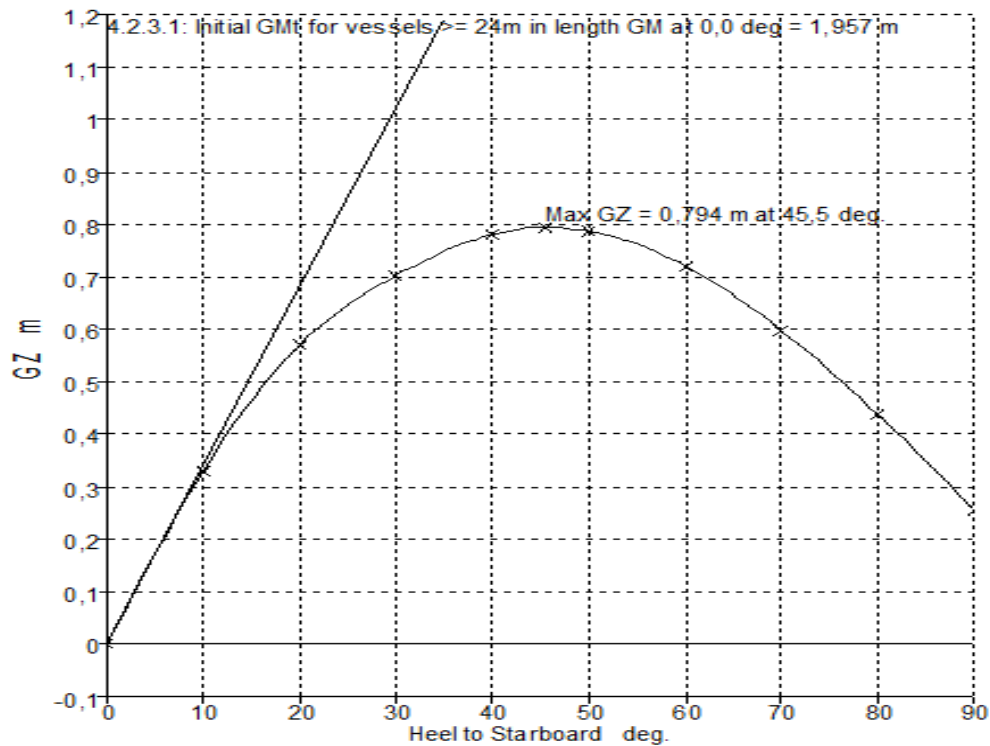
Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	11,7843	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	18,7155	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	6,9312	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,724	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	42,7	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,753	Pass

Sumber : Data hasil olahan

30 GT (V) Rasio 3,38

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	0,95	6,000	5,700	-	-	-0,615	0,000	1,000	-3,506	0,000	5,700
CF 2	0,95	6,000	5,700	-	-	2,125	0,000	1,050	12,113	0,000	5,985
Fuel Oil	74%	4,134	3,059	4,922	3,642	-2,719	0,000	0,934	-8,319	0,000	2,858
FWT (P)	5,6%	1,554	0,087	1,554	0,087	-8,577	-1,303	1,206	-0,746	-0,113	0,105
FWT (S)	5,6%	1,554	0,087	1,554	0,087	-8,577	1,303	1,206	-0,746	0,113	0,105
Total Loadcase	-	-	31,603	8,030	3,816	-1,500	0,000	1,231	-47,415	0,000	38,908
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,274	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,330	0,571	0,703	0,780	0,788	0,721	0,597	0,437	0,256
Area under GZ curve from zero heel m.deg		0,0000	1,6926	6,2941	12,7276	20,1876	28,0924	35,6900	42,3196	47,5172	50,9944
Displacement t		31,60	31,60	31,60	31,60	31,60	31,60	31,61	31,60	31,60	31,60
Draft at FP m		0,351	0,336	0,287	0,189	0,024	-0,280	-0,849	-2,046	-5,666	n/a
Draft at AP m		1,404	1,396	1,333	1,185	0,940	0,623	0,184	-0,602	-2,814	n/a
Draft at LCF m		0,964	0,946	0,879	0,746	0,527	0,205	-0,300	-1,283	-4,190	n/a
Draft Amidships m		0,878	0,866	0,810	0,687	0,482	0,172	-0,333	-1,324	-4,240	n/a
WL Length m		18,142	18,163	18,146	18,094	17,522	16,907	16,930	16,892	17,358	18,032
Beam max extents on WL m		4,079	4,138	3,829	3,545	3,324	3,169	2,746	2,399	2,195	2,080
Wetted Area m^2		72,636	70,802	66,466	64,414	64,262	64,413	64,217	64,207	65,065	65,405
Waterpl. Area m^2		62,568	60,596	54,615	51,514	49,231	43,810	38,833	35,400	33,989	33,011
Prismatic coeff. (Cp)		0,589	0,593	0,620	0,645	0,687	0,740	0,771	0,804	0,810	0,803
Block coeff. (Cb)		0,449	0,454	0,412	0,386	0,397	0,421	0,490	0,587	0,656	0,587
LCB from amidsh. (+ve aft) m		1,534	1,536	1,537	1,538	1,536	1,534	1,534	1,535	1,538	1,541
LCF from amidsh. (+ve aft) m		1,532	1,415	1,235	1,112	0,913	0,698	0,598	0,532	0,330	0,297
KB m		0,671	0,709	0,800	0,911	1,044	1,175	1,286	1,377	1,456	1,530
KG fluid m		1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274	1,274
BMT m		2,560	2,378	1,737	1,465	1,298	0,936	0,659	0,510	0,446	0,418
BML m		42,340	39,505	36,103	34,777	33,349	29,394	26,715	25,070	25,597	25,456
GML corrected m		1,957	1,745	1,023	0,639	0,343	-0,158	-0,567	-0,831	-0,986	-1,075
GML m		41,736	38,872	35,390	33,951	32,394	28,301	25,489	23,729	24,165	23,963
KMT m		3,228	3,047	2,430	2,178	2,038	1,776	1,615	1,551	1,534	1,530
KML m		42,945	39,554	34,679	30,997	26,573	20,060	14,638	9,948	5,899	1,530
KN m		0,000	0,551	1,007	1,340	1,599	1,764	1,824	1,795	1,692	1,530
Max deck inclination deg		3,2137	10,4909	20,2146	30,1047	40,0478	50,0230	60,0125	70,0072	80,0035	90,0000
Trim angle (+ve by stern) deg		3,2137	3,2369	3,1920	3,0403	2,7988	2,7546	3,1530	4,4024	8,6481	90,0000

Sumber : Data hasil olahan



Lengan Stabilitas 30 GT (V) rasio 3,38

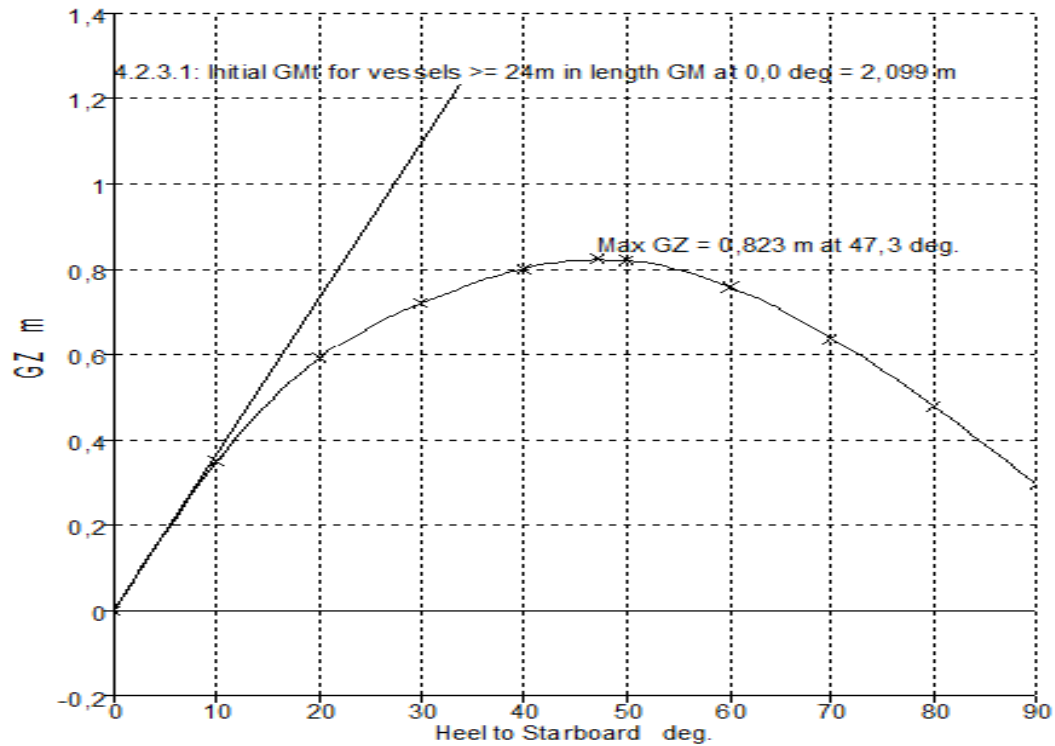
Kriteria 30 GT (V) rasio 3,38

Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	12,7276	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	20,1876	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	7,4600	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,794	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	45,5	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	1,957	Pass

30 GT (V) Rasio 3,58

Item Name	Quantity	Unit Mass tonne	Total Mass tonne	Unit Volume m^3	Total Volume m^3	Long. Arm m	Trans. Arm m	Vert. Arm m	Long. moment tonne.m	Trans. moment tonne.m	Vert. moment tonne.m
Lightship	1	15,800	15,800	-	-	-2,630	0,000	1,330	-41,554	0,000	21,014
Bekal	1	0,270	0,270	-	-	-3,980	0,000	2,300	-1,075	0,000	0,621
Crew	12	0,075	0,900	-	-	-3,980	0,000	2,800	-3,582	0,000	2,520
CF 1	1	6,000	6,000	-	-	-0,615	0,000	0,900	-3,690	0,000	5,400
CF 2	1	6,000	6,000	-	-	2,125	0,000	0,900	12,750	0,000	5,400
Fuel Oil	17,2%	4,134	0,711	4,922	0,847	-2,718	0,000	0,607	-1,933	0,000	0,432
FWT (P)	5%	1,554	0,078	1,554	0,078	-8,562	-1,293	1,200	-0,665	-0,100	0,093
FWT (S)	5%	1,554	0,078	1,554	0,078	-8,562	1,293	1,200	-0,665	0,100	0,093
Total Loadcase	-	-	29,837	8,030	1,002	-1,355	0,000	1,192	-40,414	0,000	35,573
FS correction	-	-	-	-	-	-	-	0,000	-	-	-
VCG fluid	-	-	-	-	-	-	-	1,238	-	-	-
Heel to Starboard deg		0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
GZ m		0,000	0,348	0,591	0,722	0,802	0,820	0,760	0,639	0,479	0,296
Area under GZ curve from zero heel m.deg		0,0000	1,7916	6,5889	13,2149	20,8700	29,0435	37,0051	44,0359	49,6489	53,5358
Displacement t		29,84	29,84	29,83	29,84	29,84	29,84	29,84	29,83	29,83	29,84
Draft at FP m		0,360	0,349	0,304	0,209	0,049	-0,239	-0,789	-1,952	-5,485	n/a
Draft at AP m		1,351	1,336	1,260	1,099	0,836	0,473	-0,037	-0,958	-3,552	n/a
Draft at LCF m		0,936	0,913	0,841	0,703	0,479	0,143	-0,391	-1,430	-4,483	n/a
Draft Amidships m		0,855	0,843	0,782	0,654	0,442	0,117	-0,413	-1,455	-4,518	n/a
WL Length m		18,130	18,163	18,146	18,095	17,783	16,948	16,977	16,946	17,411	18,093
Beam max extents on WL m		4,071	4,131	3,757	3,478	3,327	3,165	2,750	2,399	2,194	2,078
Wetted Area m^2		71,735	69,361	64,852	62,859	62,677	62,724	62,422	62,456	62,949	63,574
Waterpl. Area m^2		62,399	59,745	53,476	50,454	49,341	43,956	38,814	35,423	33,670	32,962
Prismatic coeff. (Cp)		0,580	0,587	0,616	0,642	0,675	0,738	0,771	0,805	0,814	0,812
Block coeff. (Cb)		0,438	0,444	0,410	0,383	0,380	0,411	0,480	0,583	0,679	0,610
LCB from amidsh. (+ve aft) m		1,386	1,387	1,388	1,388	1,385	1,381	1,379	1,378	1,381	1,383
LCF from amidsh. (+ve aft) m		1,530	1,346	1,151	1,027	0,882	0,665	0,554	0,471	0,348	0,248
KB m		0,647	0,686	0,776	0,887	1,021	1,160	1,277	1,373	1,456	1,534
KG fluid m		1,238	1,238	1,238	1,238	1,238	1,238	1,238	1,238	1,238	1,238
BMT m		2,691	2,441	1,735	1,465	1,394	1,009	0,696	0,534	0,456	0,441
BML m		44,692	40,839	37,369	36,004	35,614	31,329	28,507	26,867	26,644	27,122
GML corrected m		2,099	1,818	1,028	0,643	0,438	-0,089	-0,541	-0,826	-1,002	-1,085
GML m		44,100	40,216	36,662	35,182	34,658	30,230	27,269	25,507	25,186	25,596
KMT m		3,334	3,086	2,405	2,155	2,089	1,809	1,625	1,555	1,535	1,534
KML m		45,277	40,850	35,851	32,041	28,289	21,292	15,528	10,560	6,082	1,534
KN m		0,000	0,563	1,014	1,341	1,597	1,769	1,832	1,802	1,698	1,534
Max deck inclination deg		3,0236	10,4270	20,1794	30,0836	40,0352	50,0143	60,0067	70,0034	80,0016	90,0000
Trim angle (+ve by stern) deg		3,0236	3,0141	2,9175	2,7171	2,4018	2,1736	2,2985	3,0340	5,8835	90,0000

Sumber : Data hasil olahan



Lengan Stabilitas 30 GT (V) rasio 3,58

Kriteria 30 GT (V) rasio 3,58

Code	Criteria	Value	Units	Actual	Status
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 30	3,1513	m.deg	13,2149	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 0 to 40	5,1566	m.deg	20,8700	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.1: Area 30 to 40	1,7189	m.deg	7,6551	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.2: Max GZ at 30 or greater	0,200	m	0,823	Pass
A.749(18) Ch3 - Design criteria applicable to all ships	3.1.2.3: Angle of maximum GZ	25,0	deg	47,3	Pass
4.2 Fishing vessel	4.2.3.1: Initial GMt for vessels ≥ 24 m in length	0,350	m	2,099	Pass

Sumber : Data hasil olahan

Seakeeping kapal 10 GT (U) pada Following Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,031 & 0,032	0	0,68	0	Pass
1	0,061 & 0,063	0	1,39	0	Pass
1,5	0,092 & 0,095	0	2,05	0	Pass
2	0,122 & 0,127	0	2,73	0	Pass
2,5	0,153 & 0,159	0	3,41	0	Fail
3	0,184 & 0,19	0	4,09	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 10 GT (U) pada Beam Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,155 & 0,112	0,107 & 0,07	0,28	1,53	Pass
1	0,311 & 0,224	0,215 & 0,14	0,56	3,05	Pass
1,5	0,466 & 0,335	0,322 & 0,21	0,84	4,58	Pass
2	0,622 & 0,447	0,429 & 0,28	1,13	6,11	Fail
2,5	0,777 & 0,599	0,536 & 0,35	1,41	7,64	Fail
3	0,932 & 0,671	0,644 & 0,42	1,69	9,16	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 10 GT (U) pada Head Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,276 & 0,471	0	0,55	0	Pass
1	0,553 & 0,942	0	1,10	0	Pass
1,5	0,829 & 1,412	0	1,65	0	Pass
2	1,105 & 1,882	0	2,20	0	Pass
2,5	1,381 & 2,354	0	2,76	0	Fail
3	1,658 & 2,825	0	3,31	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 10 GT (V) pada Following Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,031 & 0,034	0	0,70	0	Pass
1	0,062 & 0,069	0	1,41	0	Pass
1,5	0,094 & 0,103	0	2,11	0	Pass
2	0,125 & 0,137	0	2,82	0	Pass
2,5	0,156 & 0,172	0	3,52	0	Fail
3	0,187 & 0,206	0	4,23	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 10 GT (V) pada Beam Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,151 & 0,131	0,109	0,30	1,61	Pass
1	0,302 & 0,263	0,218	0,60	3,21	Pass
1,5	0,453 & 0,394	0,327	0,90	4,82	Pass
2	0,604 & 0,525	0,436	0,12	6,42	Fail
2,5	0,755 & 0,657	0,545	0,15	8,03	Fail
3	0,906 & 0,788	0,654	0,15	9,64	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 10 GT (V) pada Head Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,265 & 0,521	0	0,58	0	Pass
1	0,529 & 1,041	0	1,16	0	Pass
1,5	0,794 & 1,562	0	1,74	0	Pass
2	1,058 & 2,082	0	2,32	0	Pass
2,5	1,323 & 2,603	0	2,89	0	Fail
3	1,587 & 3,124	0	3,47	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 20 GT (U) pada Following Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,037 & 0,019	0	0,64	0	Pass
1	0,074 & 0,039	0	0,128	0	Pass
1,5	0,112 & 0,058	0	0,192	0	Pass
2	0,149 & 0,078	0	0,256	0	Pass
2,5	0,186 & 0,097	0	3,2	0	Fail
3	0,223 & 0,117	0	0,385	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 20 GT (U) pada Beam Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,163 & 0,099	0,257 & 0,21	0,28	1,67	Pass
1	0,326 & 0,198	0,514 & 0,42	0,57	3,34	Pass
1,5	0,488 & 0,298	0,771 & 0,63	0,85	5,01	Pass
2	0,651 & 0,397	1,028 & 0,840	1,14	6,68	Fail
2,5	0,814 & 0,496	1,285 & 1,050	1,42	8,35	Fail
3	0,977 & 0,595	1,541 & 1,259	1,71	10,02	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 20 GT (U) pada Head Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,276 & 0,410	0	0,52	0	Pass
1	0,553 & 0,82	0	1,04	0	Pass
1,5	0,828 & 1,23	0	1,56	0	Pass
2	1,106 & 1,640	0	2,08	0	Pass
2,5	1,382 & 2,050	0	2,60	0	Pass
3	1,659 & 2,460	0	3,12	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 20 GT (V) pada Following Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,039 & 0,041	0	0,66	0	Pass
1	0,078 & 0,082	0	1,32	0	Pass
1,5	0,117 & 0,123	0	1,98	0	Pass
2	0,155 & 0,164	0	2,64	0	Pass
2,5	0,194 & 0,205	0	3,3	0	Fail
3	0,233 & 0,246	0	3,96	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 20 GT (V) pada Beam Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,152 & 0,107	0,301 & 0,246	0,29	1,68	Pass
1	0,305 & 0,214	0,601 & 0,492	0,59	3,36	Pass
1,5	0,457 & 0,322	0,902 & 0,738	0,88	5,04	Pass
2	0,610 & 0,429	1,203 & 0,984	1,18	6,72	Fail
2,5	0,762 & 0,536	1,504 & 1,229	1,47	8,4	Fail
3	0,915 & 0,643	1,804 & 1,475	1,76	10,08	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 20 GT (V) pada Head Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,251 & 0,437	0	0,52	0	Pass
1	0,502 & 0,874	0	1,04	0	Pass
1,5	0,753 & 1,311	0	1,56	0	Pass
2	1,004 & 1,748	0	2,08	0	Pass
2,5	1,255 & 2,185	0	2,60	0	Pass
3	1,506 & 2,622	0	3,12	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 30 GT (U) pada Following Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,032 & 0,032	0	0,6	0	Pass
1	0,063 & 0,064	0	1,19	0	Pass
1,5	0,095 & 0,096	0	1,79	0	Pass
2	0,127 & 0,128	0	2,39	0	Pass
2,5	0,159 & 0,160	0	2,99	0	Pass
3	0,190 & 0,192	0	3,58	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 30 GT (U) pada Beam Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,151 & 0,091	0,325	0,29	1,66	Pass
1	0,302 & 0,183	0,649	0,57	3,33	Pass
1,5	0,452 & 0,274	0,974	0,86	4,99	Pass
2	0,603 & 0,366	1,298	1,14	6,66	Fail
2,5	0,754 & 0,457	1,623	1,43	8,32	Fail
3	0,905 & 0,549	1,947	1,72	9,98	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 30 GT (U) pada Head Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,234 & 0,375	0	1,48	0	Pass
1	0,468 & 0,749	0	0,95	0	Pass
1,5	0,703 & 1,124	0	1,43	0	Pass
2	0,937 & 1,5	0	1,9	0	Pass
2,5	1,171 & 1,873	0	2,38	0	Pass
3	1,405 & 2,248	0	2,86	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 30 GT (V) pada Following Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,033 & 0,034	0	0,68	0	Pass
1	0,067 & 0,068	0	1,27	0	Pass
1,5	0,100 & 0,101	0	1,9	0	Pass
2	0,133 & 0,135	0	2,54	0	Pass
2,5	0,167 & 0,169	0	3,17	0	Fail
3	0,2 & 0,203	0	3,51	0	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 30 GT (V) pada Beam Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,155 & 0,129	0,271 & 0,339	0,33	1,68	Pass
1	0,311 & 0,166	0,542 & 0,678	0,66	3,35	Pass
1,5	0,466 & 0,386	0,813 & 1,071	0,99	5,03	Pass
2	0,621 & 0,514	1,084 & 1,356	1,32	6,71	Fail
2,5	0,776 & 0,643	1,355 & 1,695	1,65	8,38	Fail
3	0,932 & 0,772	1,626 & 2,034	1,98	10,06	Fail

Sumber : Data hasil Olahan

Seakeeping kapal 30 GT (V) pada Head Seas

Tinggi Gelombang (m)	RMS of Vertical Acceleration (at Working Deck AP & FP)	RMS of Lateral Acceleration (at Working Deck Ap & FP)	RMS of Pitch	RMS of Roll	Status
0,5	0,211 & 0,412	0	0,52	0	Pass
1	0,422 & 0,824	0	1,04	0	Pass
1,5	0,634 & 1,236	0	1,56	0	Pass
2	0,845 & 1,649	0	2,08	0	Pass
2,5	1,056 & 2,061	0	2,60	0	Fail
3	1,267 & 2,473	0	3,12	0	Fail

Sumber : Data hasil Olahan