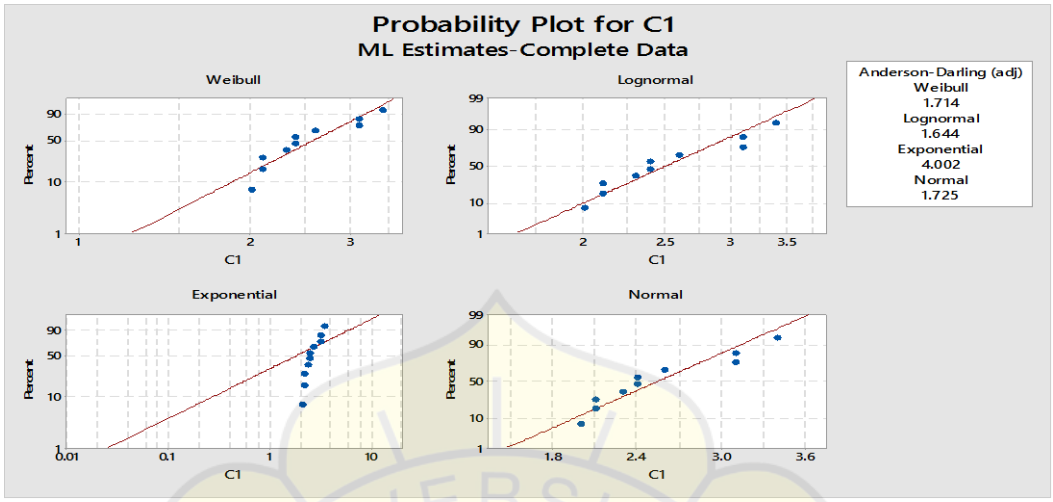
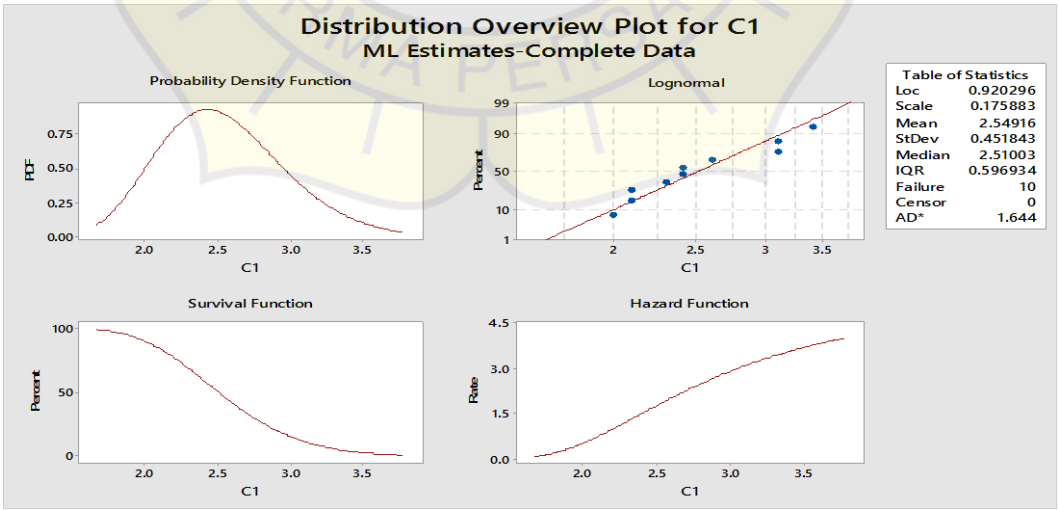
Lampiran

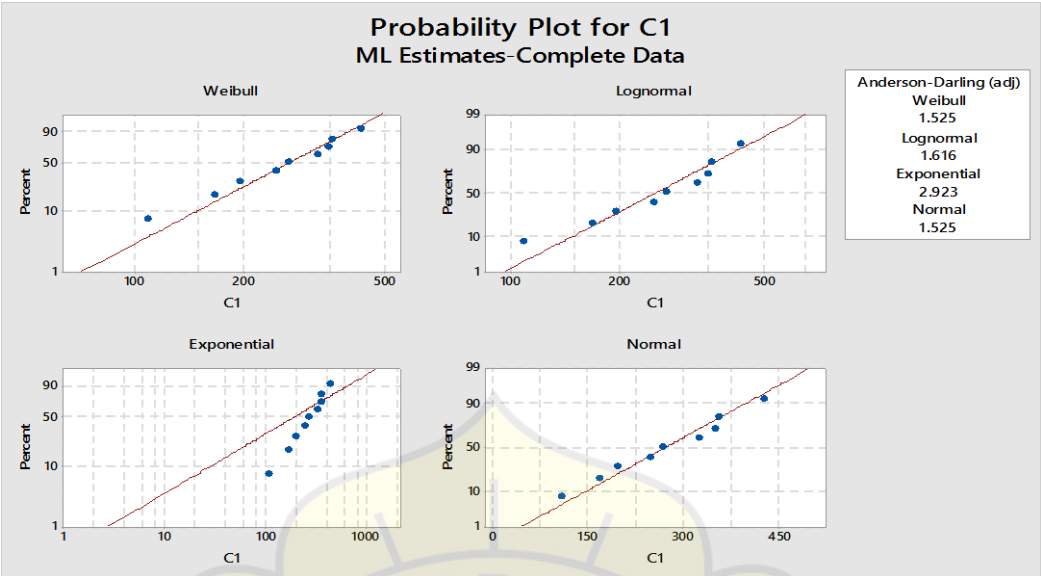
Lampiran 1 Uji distribusi TTF dan TTR komponen blade shear menggunakan minitab 19



Goodness-of-Fit

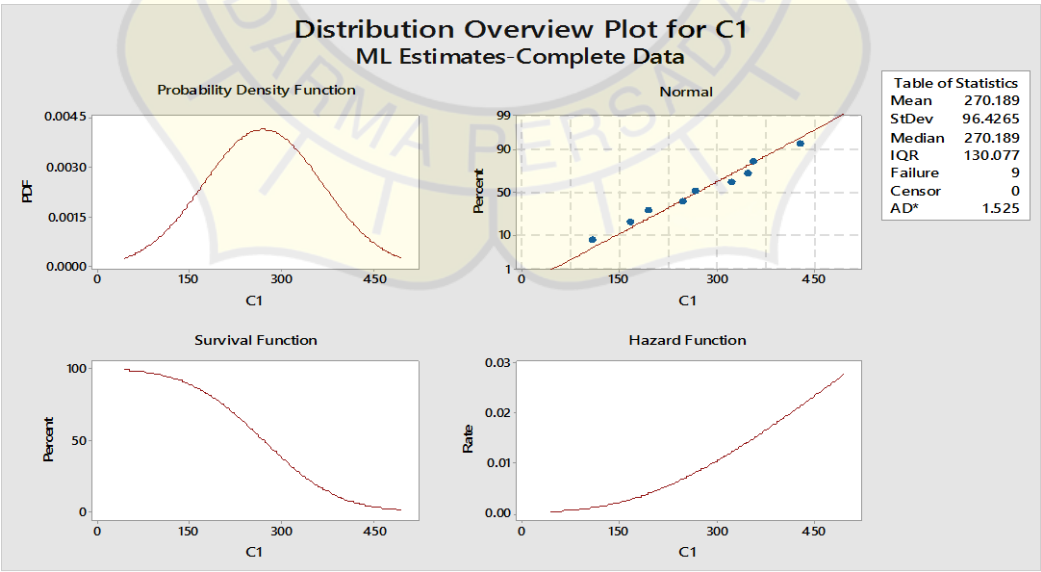
Distribution	Anderson-Darling (adj)
Weibull	1.714
Lognormal	1.644
Exponential	4.002
Normal	1.725



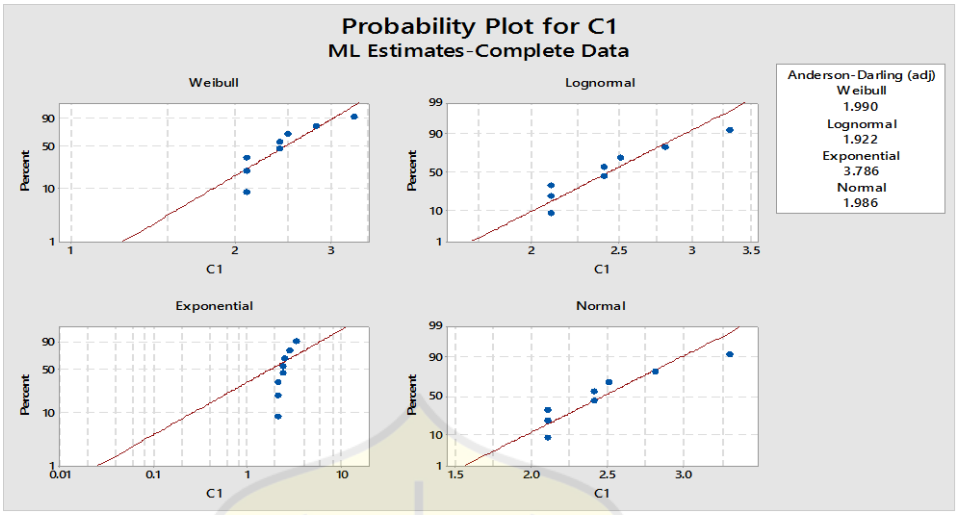


Goodness-of-Fit

Distribution	Anderson-Darling (adj)
Weibull	1.525
Lognormal	1.616
Exponential	2.923
Normal	1.525

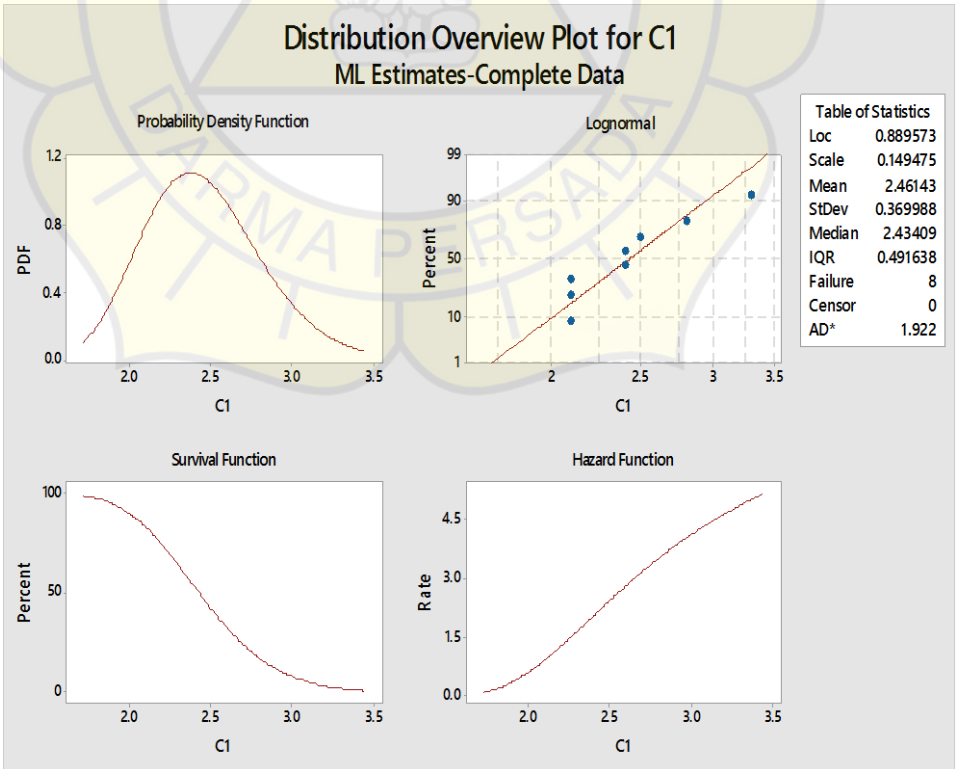


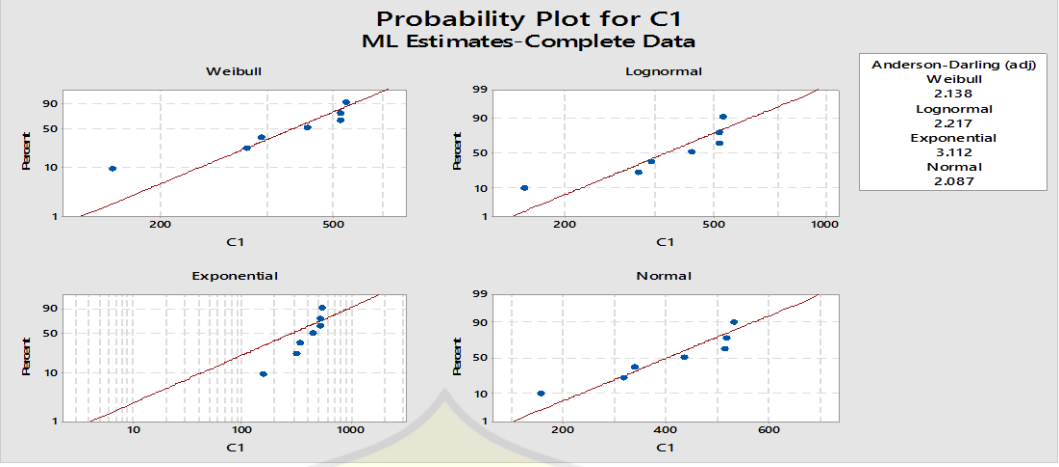
Lampiran 2 uji distribusi TTR dan TTF komponen foot switch



Goodness-of-Fit

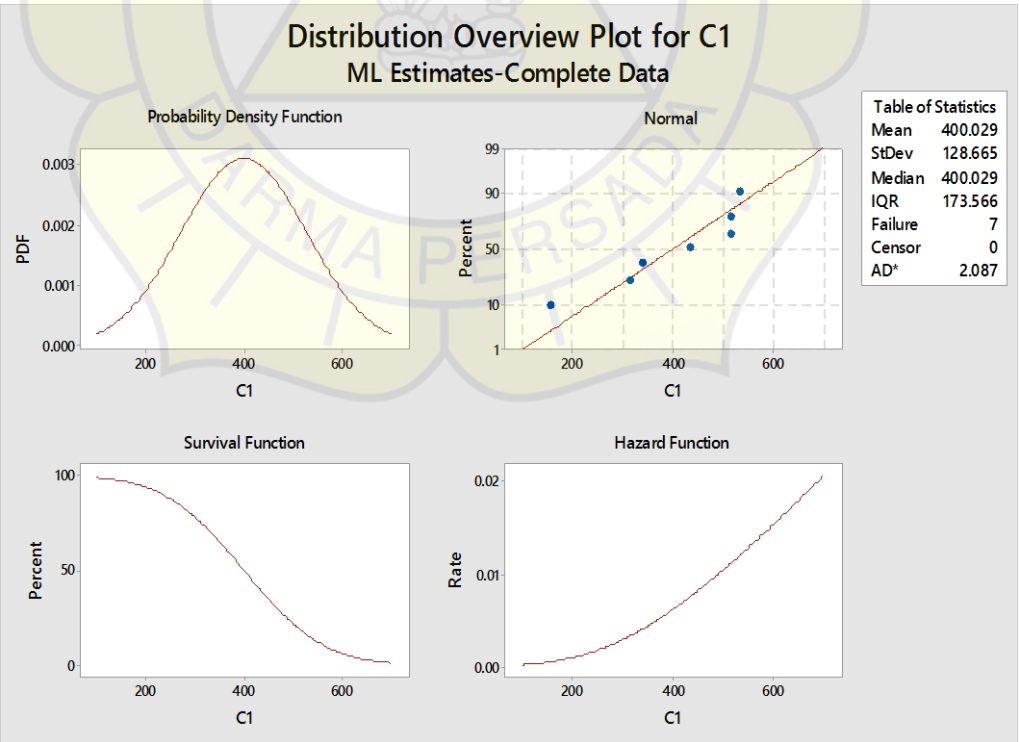
Distribution	Anderson-Darling (adj)
Weibull	1.990
Lognormal	1.922
Exponential	3.786
Normal	1.986



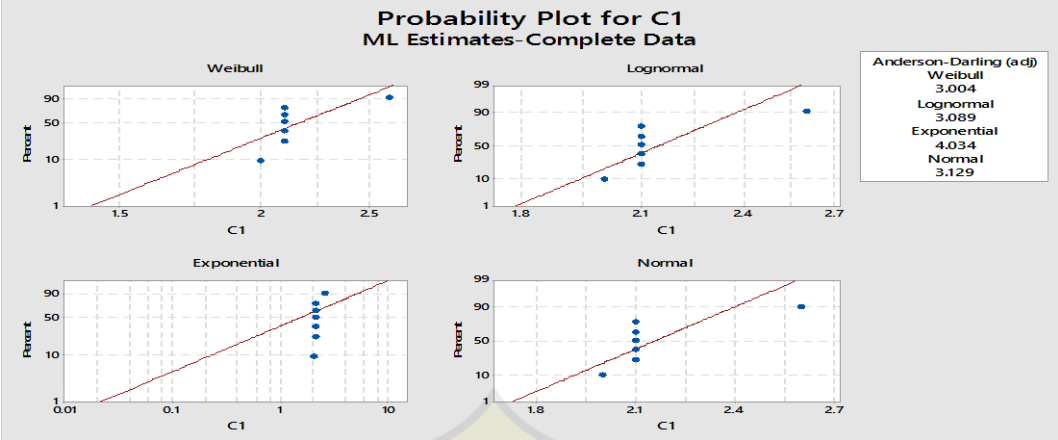


Goodness-of-Fit

Distribution	Anderson-Darling (adj)
Weibull	2.138
Lognormal	2.217
Exponential	3.112
Normal	2.087

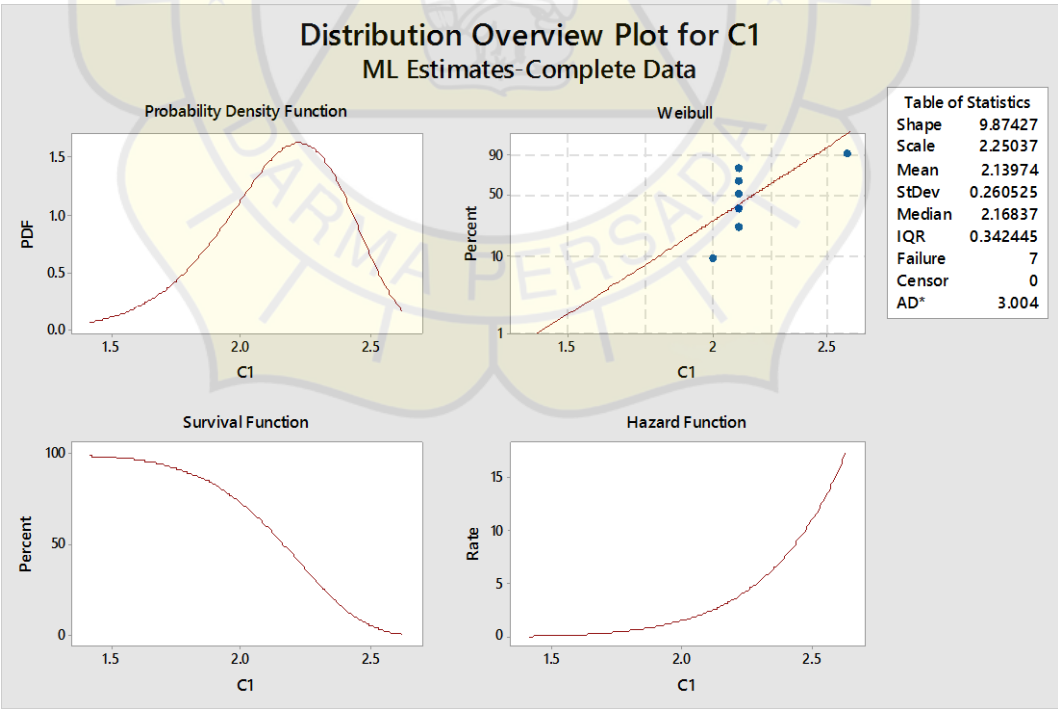


Lampiran 3 uji distribusi TTF dan TTR komponen filter oil



Goodness-of-Fit

Distribution	Anderson-Darling (adj)
Weibull	3.004
Lognormal	3.089
Exponential	4.034
Normal	3.129



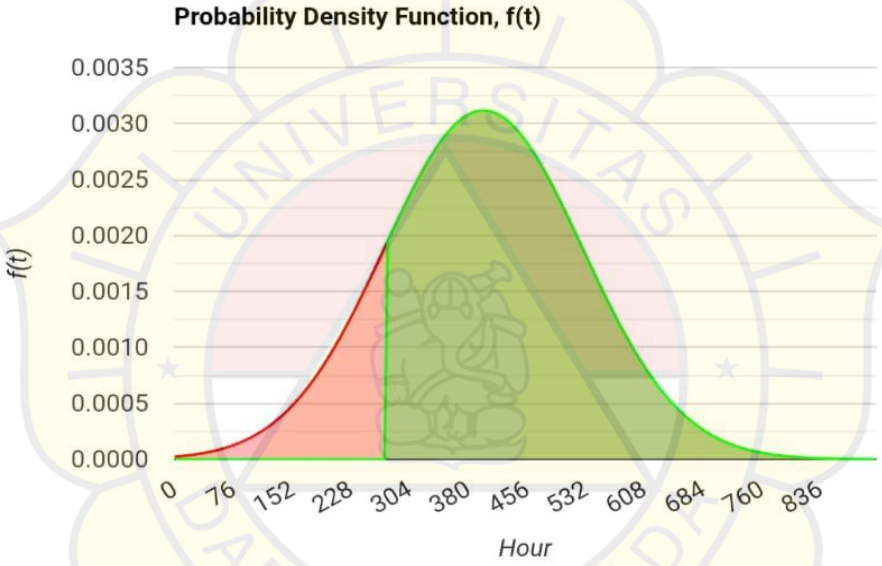
Lampiran 4 Hasil Reliability Komponen Foot Switch Dan Filter Oil Menggunakan Reliability Toolkit Analisys

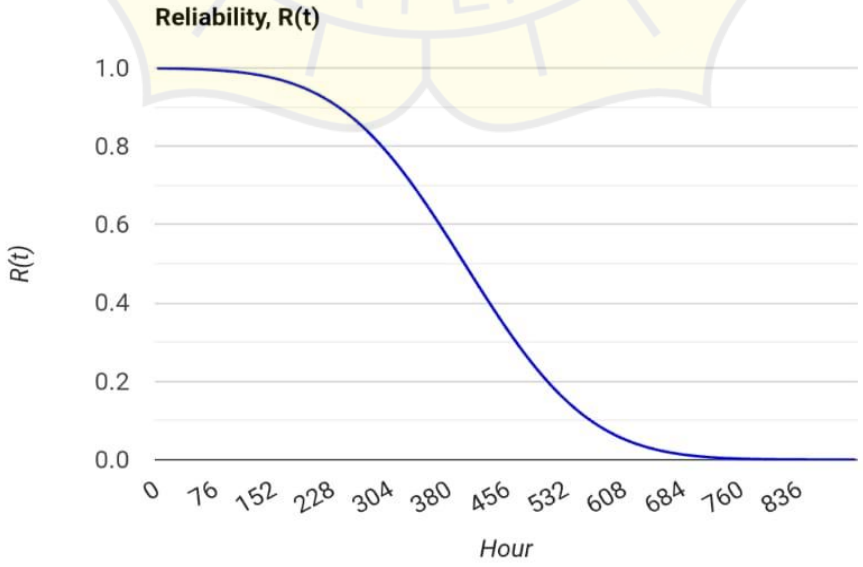
Masukan:

Rata-rata umur (μ, jam): **400**
Simpangan baku (σ, jam): **128**
Jangka waktu yang diminati (t, jam): **273**

Solusi:

Keandalannya **273**jam adalah **0,84**, seperti yang diwakili oleh area berarsir hijau di sebelah kanan **273**titik jam dalam plot fungsi kepadatan probabilitas (pdf) yang ditunjukkan di bawah ini. Ketidakandalan, atau kemungkinan kegagalan, adalah **0,16**, seperti yang diwakili oleh area berarsir merah muda di sebelah kiri titik **273** jam pada plot pdf.



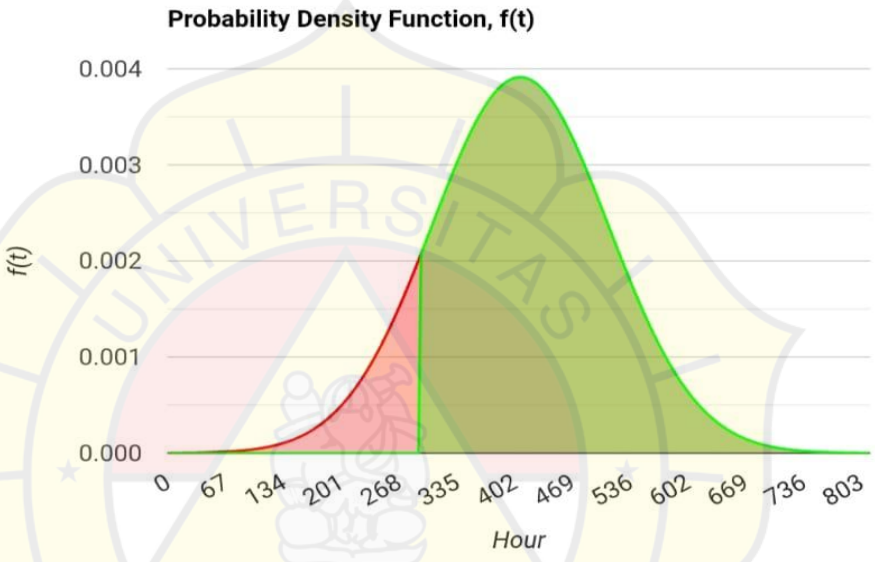


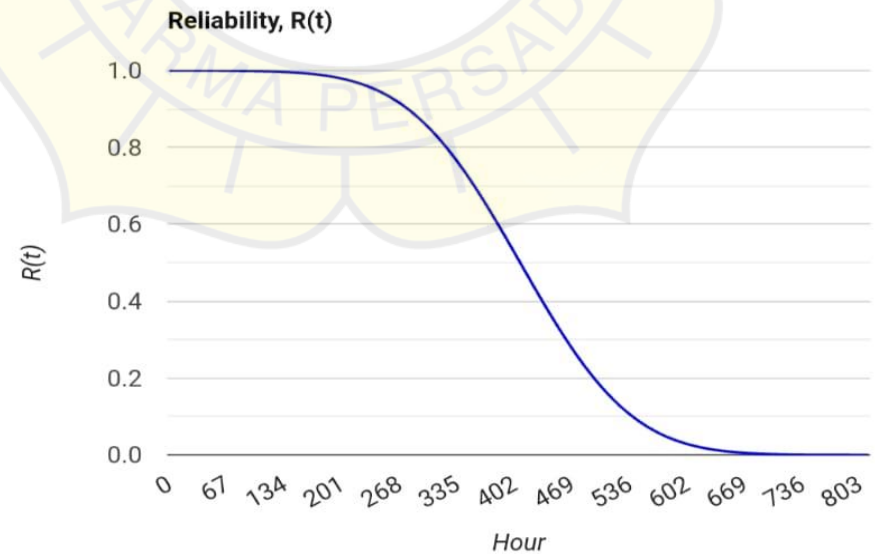
Masukan:

Rata-rata umur (μ, jam): **408**
Simpangan baku (σ, jam): **102**
Jangka waktu yang diminati (t, jam): **292**

Solusi:

Keandalannya **292**jam adalah **0,87**, seperti yang diwakili oleh area berarsir hijau di sebelah kanan **292**titik jam dalam plot fungsi kepadatan probabilitas (pdf) yang ditunjukkan di bawah ini. Ketidakandalan, atau kemungkinan kegagalan, adalah **0,13**, seperti yang diwakili oleh area berarsir merah muda di sebelah kiri titik **292** jam pada plot pdf.





Lampiran 5 Tabel Analisis reliability Blade Shear

Time (Hours)	R(t)	F(t)	f(t)	h(t) (Failures/Hour)
200	0.764547	0.235453	0.003171	0.004148
203	0.754826	0.245174	0.003242	0.004295
206	0.744893	0.255107	0.003311	0.004445
209	0.734754	0.265246	0.003378	0.004598
212	0.724414	0.275586	0.003444	0.004754
215	0.713880	0.286120	0.003507	0.004912
218	0.703158	0.296842	0.003567	0.005073
221	0.692256	0.307744	0.003625	0.005237
224	0.681181	0.318819	0.003681	0.005404
227	0.669943	0.330057	0.003734	0.005573
230	0.658549	0.341451	0.003784	0.005745
233	0.647008	0.352992	0.003830	0.005920
236	0.635331	0.364669	0.003874	0.006097
239	0.623526	0.376474	0.003914	0.006277
242	0.611605	0.388395	0.003951	0.006460
245	0.599578	0.400422	0.003984	0.006645
248	0.587456	0.412544	0.004014	0.006832
251	0.575249	0.424751	0.004039	0.007022
254	0.562971	0.437029	0.004061	0.007214
257	0.550631	0.449369	0.004080	0.007409
260	0.538242	0.461758	0.004094	0.007606
263	0.525815	0.474185	0.004104	0.007805
266	0.513364	0.486636	0.004110	0.008007
269	0.500900	0.499100	0.004113	0.008211
272	0.488434	0.511566	0.004111	0.008417
275	0.475980	0.524020	0.004105	0.008625
278	0.463550	0.536450	0.004096	0.008835

Foot Switch

Time (Hours)	R(t)	F(t)	f(t)	h(t) (Failures/Hour)
260	0.862970	0.137030	0.001714	0.001986
264	0.855998	0.144002	0.001772	0.002071
268	0.848790	0.151210	0.001831	0.002158
272	0.841346	0.158654	0.001890	0.002247
276	0.833666	0.166334	0.001949	0.002338
280	0.825751	0.174249	0.002008	0.002432
284	0.817599	0.182401	0.002067	0.002528
288	0.809214	0.190786	0.002125	0.002627
292	0.800596	0.199404	0.002183	0.002727
296	0.791748	0.208252	0.002241	0.002830
300	0.782673	0.217327	0.002297	0.002935
304	0.773373	0.226627	0.002353	0.003042
308	0.763853	0.236147	0.002407	0.003151
312	0.754116	0.245884	0.002461	0.003263
316	0.744169	0.255831	0.002513	0.003377
320	0.734015	0.265985	0.002564	0.003493
324	0.723660	0.276340	0.002613	0.003611
328	0.713112	0.286888	0.002661	0.003731
332	0.702377	0.297623	0.002707	0.003853
336	0.691462	0.308538	0.002751	0.003978
340	0.680376	0.319624	0.002792	0.004104
344	0.669126	0.330874	0.002832	0.004233
348	0.657720	0.342280	0.002870	0.004363
352	0.646170	0.353830	0.002905	0.004496
358	0.634483	0.365517	0.002938	0.004630
360	0.622670	0.377330	0.002968	0.004767
364	0.610741	0.389259	0.002996	0.004905
368	0.598706	0.401294	0.003021	0.005046
372	0.586578	0.413422	0.003043	0.005188
376	0.574366	0.425634	0.003062	0.005332
380	0.562082	0.437918	0.003079	0.005478
384	0.549738	0.450262	0.003092	0.005625
388	0.537346	0.462654	0.003103	0.005775
392	0.524918	0.475082	0.003111	0.005926
396	0.512465	0.487535	0.003115	0.006079
400	0.500000	0.500000	0.003117	0.006233
404	0.487535	0.512465	0.003115	0.006390

Time (Hours)	R(t)	F(t)	f(t)	h(t) (Failures/Hour)
274	0.891415	0.108585	0.001826	0.002049
277	0.885480	0.114520	0.001897	0.002143
280	0.879318	0.120682	0.001969	0.002239
283	0.872926	0.127074	0.002041	0.002339
286	0.866302	0.133698	0.002115	0.002441
290	0.859445	0.140555	0.002188	0.002546
293	0.852353	0.147647	0.002262	0.002654
296	0.845025	0.154975	0.002336	0.002764
299	0.837461	0.162539	0.002410	0.002878
302	0.829660	0.170340	0.002484	0.002994
306	0.821624	0.178376	0.002558	0.003113
309	0.813354	0.186646	0.002631	0.003235
312	0.804850	0.195150	0.002704	0.003360
315	0.796114	0.203886	0.002777	0.003488
318	0.787150	0.212850	0.002848	0.003618
321	0.777960	0.222040	0.002918	0.003751
325	0.768547	0.231453	0.002987	0.003887
328	0.758916	0.241084	0.003055	0.004026
331	0.749071	0.250929	0.003122	0.004167
334	0.739017	0.260983	0.003186	0.004311
337	0.728761	0.271239	0.003249	0.004458
34	0.718307	0.281693	0.003310	0.004608
344	0.707663	0.292337	0.003369	0.004760
347	0.696835	0.303165	0.003425	0.004915
350	0.685831	0.314169	0.003479	0.005072
353	0.674660	0.325340	0.003530	0.005232
357	0.663330	0.336670	0.003579	0.005395
360	0.651849	0.348151	0.003624	0.005560
363	0.640228	0.359772	0.003667	0.005728
366	0.628476	0.371524	0.003707	0.005898
369	0.616602	0.383398	0.003743	0.006070
372	0.604618	0.395382	0.003776	0.006245
376	0.592534	0.407466	0.003806	0.006422
379	0.580362	0.419638	0.003832	0.006602
382	0.568112	0.431888	0.003854	0.006784
385	0.555796	0.444204	0.003873	0.006968
388	0.543426	0.456574	0.003888	0.007155
392	0.531014	0.468986	0.003899	0.007343
395	0.518571	0.481429	0.003907	0.007534
398	0.506111	0.493889	0.003911	0.007727

401	0.493645	0.506355	0.003911	0.007922
404	0.481184	0.518816	0.003907	0.008119
408	0.468742	0.531258	0.003899	0.008318