

LAMPIRAN

SOURCE CODE

Klasifikasi Controller

```
1. $text = $request-
    >get('kronologi');
2. $dataset =
    Kronologi::selectRaw('id,
    LOWER(kronologi) AS
    kronologi, UPPER(label) AS
    label')->take(1800)->get();
3. $preprocessing_text_testing =
    $this-
    >_preProcessingDataTesting(
    $text);
4. $preprocessing_text = $this-
    >_preProcessingPrediction($
    dataset);
5. $tf_idf = $this-
    >_tfIdfPrediction($preprocess
    ing_text,
    [$preprocessing_text_testing['
    stemming']]);
6. $features =
    array_merge(array_column($t
    f_idf['model'], 'bobot_kata'),
    [$tf_idf['testing']]);
7. $varianceThreshold = new
    VarianceThreshold(0.01);
8. $varianceThreshold-
    >fit($features);
9. $varianceThreshold-
    >transform($features);
10. $dataset_test = new
    ArrayDataset(
11. array_slice($features, 0,
    1800),
12. array_column($tf_idf['model'
    ], 'label')
13. $trainingSamples =
    $dataset_test->getSamples();
14. $trainingLabels =
    $dataset_test->getTargets();
15. $testingSamples =
    end($features);
16. if ($request->get('metode')
    === 'nbc') {
```

```

17. $classifier = new
    NaiveBayes();
18. else if ($request-
    >get('metode') === 'knn')
19. $classifier = new
    KNearestNeighbors();
20. $classifier-
    >train($trainingSamples,
    $trainingLabels);
21. $predictions = $classifier-
    >predict($testingSamples);
22. $output = [];
23. array_multisort($tf_idf['testin
    g'], SORT_DESC,
    $tf_idf['vocabulary']);
24. foreach ($tf_idf['vocabulary']
    as $index => $word) {
25. $result = [
    'vocabulary' => $word,
    'value' =>
    $tf_idf['testing'][$index],
    ];
26. $output[] = $result;

```

Preprocessing Text

```

1. $stemmerFactory = new
    StemmerFactory();
2. $stemmer =
    $stemmerFactory-
    >createStemmer();
3. $stopwordRemoverFactor
    y = new
    StopWordRemoverFactor
    y();
4. $stopwordRemover =
    $stopwordRemoverFactor
    y-
    >createStopWordRemove
    r();
5. $cleanedText =
    preg_replace('/[^a-zA-
    Z\s]\/', '', $text);
6. $cleanedText =
    str_replace("\n", '',
    $cleanedText);
7. $case_folding =
    strtolower($cleanedText);

```

```

8. $stopwordText =
    $stopwordRemover-
    >remove($case_folding);
9. $stemmedText =
    $stemmer-
    >stem($stopwordText);
10. $tokenizer = new
    WhitespaceTokenizer();
11. $tokens = $tokenizer-
    >tokenize($stemmedText)

```

TF IDF Text

```

1. $data = $preprocessing_text;
2. $kronologi = [];
3. foreach ($data as $value) {
4. $kronologi[] =
    $value['kronologi'];
    }
5. $kronologi =
    array_merge($kronologi,
    $testing);
6. $vectorizer = new
    TokenCountVectorizer(new
    WhitespaceTokenizer());
7. $vectorizer->fit($kronologi);

```

```

8. $vectorizer-
    >transform($kronologi);
9. $transformer = new
    TfIdfTransformer($kronologi
    );
10. $transformer-
    >transform($kronologi);
11. $result = [];
12. foreach ($data as $i =>
    $text){
13. $document = $kronologi[$i];
14. $docResult = [];
15. foreach ($document as
    $tfidf){
16. $docResult['bobot_kata'][] =
    $tfidf;
17. $docResult['label'] =
    $text['label'];
18. $result[] = $docResult;

```

Lapor Klaim

```

1. $no_polis = $request-
    >credit_agreement_number;
2. $user = User::select('id as
    user_id', 'role')->get();

```

3. \$polis = DatabasePolis::where('credit_agreement_number', \$no_polis)->first(); "message" => 'Pelaporan klaim diterima!',], 200);
4. \$check_user = \$user->where('user_id', \$request->get('created_by'))->first();
5. \$klaim = Klaim::select('credit_agreement_number', 'status')->where('credit_agreement_number', \$no_polis)->first();
6. \$user = User::select('id as user_id')->where('name', \$polis->branch_name)->first();
7. \$values = array_merge(\$polis->toArray(), \$request->all(), \$user->toArray());
8. Klaim::lapor_klaim(\$values);
9. return response()->json(["success" => true,

LEMBAR PERNYATAAN

Saya yang bertanda tangan dibawah ini:

Nama : Achmad Viqih Nurfauzi

NIM : 2018230118

Fakultas : Teknik

Jurusan : Teknologi Informasi

Judul : Perbandingan Metode K-Nearest Neighbor dan Naïve Bayes Untuk Text Mining Pada Klaim Asuransi Untuk Mendeteksi Pola Riwayat Penyakit Kronis

Menyatakan bahwa Laporan Skripsi ini saya buat sendiri berdasarkan hasil peninjauan, penelitian lapangan, wawancara serta memadukannya dengan berbagai referensi lain yang terkait dan relevan di dalam penyelesaian laporan skripsi ini.

Demikian pernyataan ini saya buat dengan sesungguhnya.

Jakarta, 20 Juli 2023


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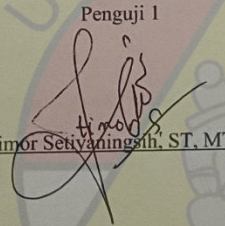
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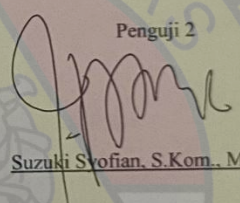
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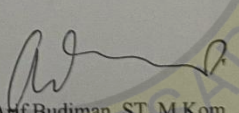
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Timor Setiawaningsih, ST, MTI

Penguji 2


Suzuki Svojian, S.Kom., M.Kom.

Penguji 3


Adam Ahf Budiman, ST, M.Kom

Jumat; 7/21/2023

Lembar Revisi
Seminar Isi Skripsi 2022/2

Nama : Achmad Viqih Nurfauzi
NIM : 2018230118
Judul : PERBANDINGAN METODE K-NEAREST NEIGHBOR DAN NAÏVE BAYES UNTUK TEXT MINING PADA KLAIM ASURANSI UNTUK MENDETEKSI POLA RIWAYAT PENYAKIT KRONIS
Dosen Pembimbing : BAGUS TRI MAHARDIKA, S.Kom, MMSI

Revisi	Dosen Penguji
<p>1. ^{Field} Form / melengkapi bukti ^{re} dan - klaim yang digunakan. - Tugaskan validasi ^{revisi} ^{revisi} . F Sore- - Rasio ?</p> <p>- Format tulisan & jumlah kata pengantar, Daftar isi, daftar isi, dan lain-lain ?</p> <p>- Variasi penulisan kata minimal 10 kronologi</p>	<p>Bj ^{revisi} ^{revisi} 1/8/23. Yan.</p> <p>Suzuki 1/8/23</p> <p>Yan</p>

Kajur Teknologi Informasi



Adam Arif Budiman, M.Kom

Penguji = SUZUKI SYOFIAN, S.KOM., M.KOM.; YAN SOFYAN A.S, S.KOM., M.KOM.; Aji SETIAWAN, S.Kom, MMSI



LEMBAR BIMBINGAN SKRIPSI TEKNOLOGI
INFORMASI DARMA PERSADA

NAMA LENGKAP : Achmad Viqih Nurfauzi
NIM : 2018230118
DOSEN PEMBIMBING : Bagus Tri Mahardika, S.Kom, MMSI
JUDUL : Perbandingan Metode K-Nearest
Neighbor dan Naïve Bayes Untuk Text
Mining Pada Klaim Asuransi Untuk
Mendeteksi Pola Riwayat Penyakit
Kronis

No	Tanggal	Materi	Paraf Dosen Pembimbing
1.	3 Mei 2023	Pengenalan topik skripsi, tujuan penelitian, dan rumusan masalah.	
2.	9 Mei 2023	Pembahasan terkait revisi dari sidang judul.	
3.	16 Mei 2023	Penjelasan tentang dataset yang akan digunakan, termasuk atribut dan kelas yang terkait dengan klaim asuransi dan riwayat penyakit kronis.	
4.	30 Mei 2023	Implementasi metode K-Nearest Neighbor (KNN) untuk text mining pada dataset	

		klaim asuransi dan riwayat penyakit kronis.	
5.	14 Juni 2023	Implementasi metode Naïve Bayes untuk text mining pada dataset klaim asuransi dan riwayat penyakit kronis.	<i>[Signature]</i>
6.	21 Juni 2023	Evaluasi hasil eksperimen menggunakan metode K-Nearest Neighbor (KNN) dan Naïve Bayes, termasuk pengukuran akurasi dan kinerja.	<i>[Signature]</i>
7.	04 Juli 2023	Penjelasan laporan skripsi dari bab 1 – bab 4	<i>[Signature]</i>
8.	12 Juli 2023	Penyusunan bab kesimpulan, saran, dan revisi pada draft skripsi.	<i>[Signature]</i>
9.	17 Juli 2023	Penjelasan Aplikasi Skripsi dan Laporan Skripsi	<i>[Signature]</i>




Jakarta, 20 Juli 2023

Dosen Pembimbing,

[Signature]
 Bagus Tri Mahardika, S.Kom, MMSI

Unsada Perpustakaan

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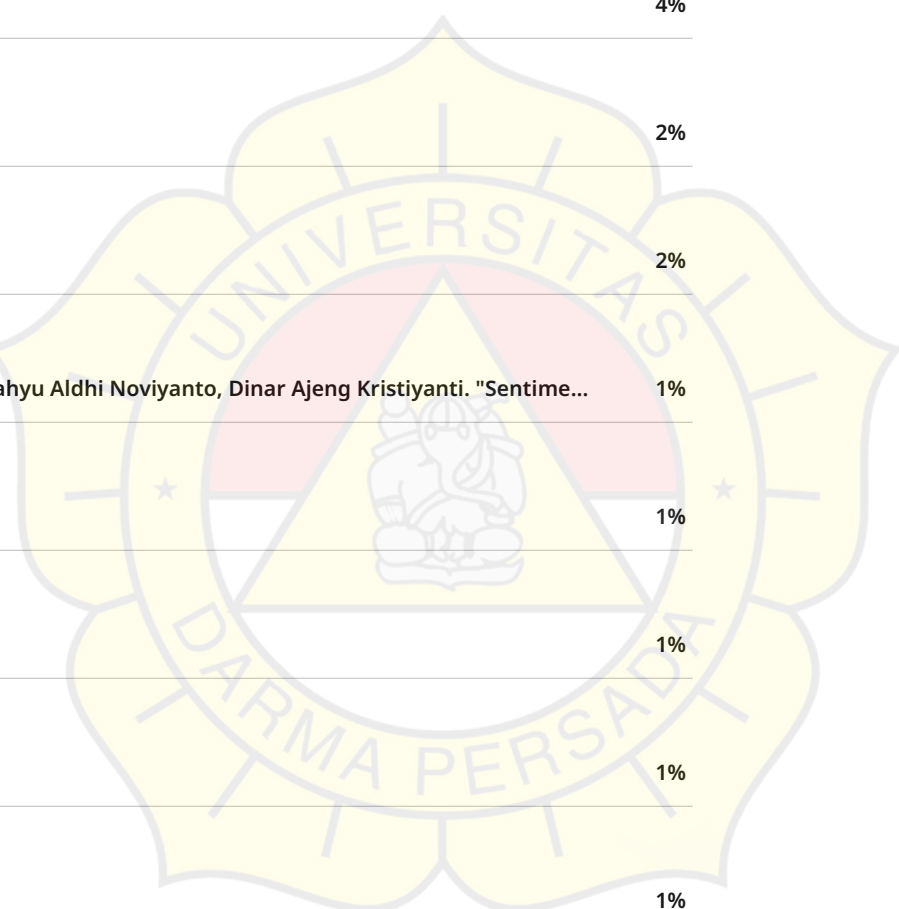
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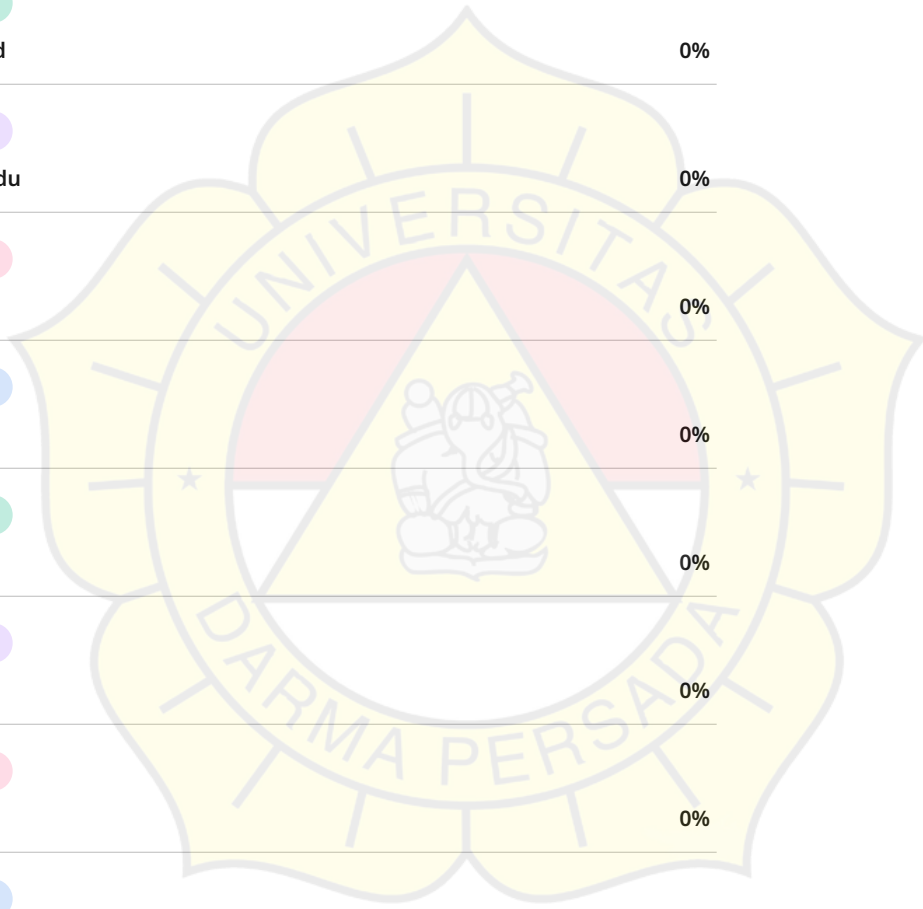
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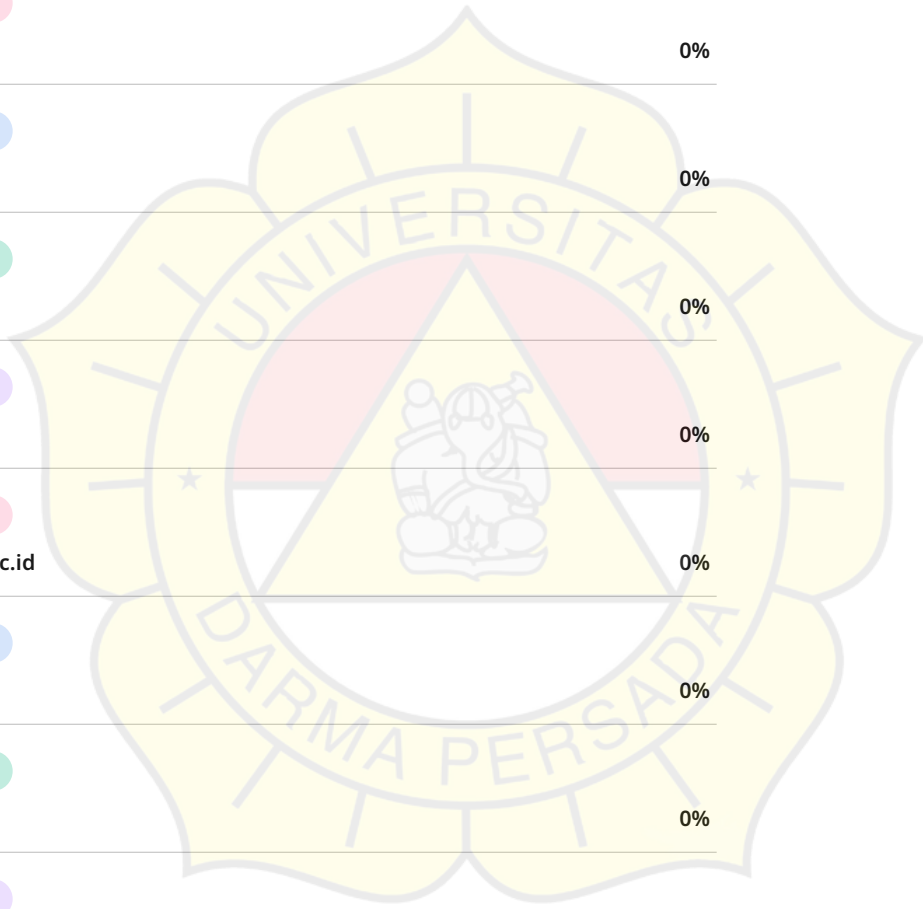
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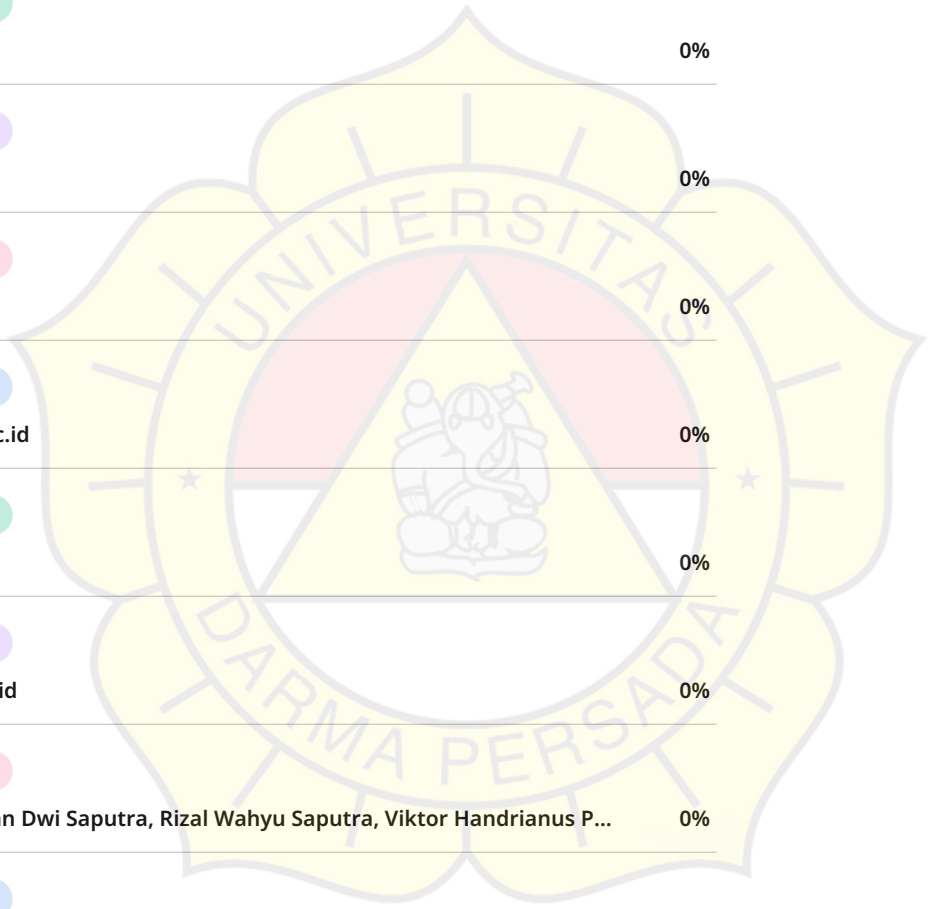
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