

DAFTAR ISI

LEMBAR PERSETUJUAN	Error! Bookmark not defined.
LEMBAR PENGESAHAN	Error! Bookmark not defined.
LEMBAR PERNYATAAN	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
DAFTAR ISI	viii
DAFTAR TABEL	x
DAFTAR GAMBAR	xi
DAFTAR LAMPIRAN	Error! Bookmark not defined.
BAB I PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang.....	Error! Bookmark not defined.
1.2 Rumusan Masalah	Error! Bookmark not defined.
1.3 Tujuan Penelitian.....	Error! Bookmark not defined.
1.4 Manfaat.....	Error! Bookmark not defined.
BAB II TINJAUAN PUSTAKA	Error! Bookmark not defined.
2.1 Pajak Pertambahan Nilai (PPN)	Error! Bookmark not defined.
2.2 Twitter/X	Error! Bookmark not defined.
2.3 Analisis Sentimen.....	Error! Bookmark not defined.
2.4 <i>Processing Text</i>	Error! Bookmark not defined.
2.5 <i>Crawling Data</i>	Error! Bookmark not defined.
2.6 <i>Term Frequency-Inverse Document Frequency (TF-IDF)</i>	Error! Bookmark not defined.
2.7 <i>Machine Learning</i>	Error! Bookmark not defined.
2.8 <i>Model Machine Learning</i>	Error! Bookmark not defined.
2.8.1 <i>Support Vector Machine (SVM)</i>	Error! Bookmark not defined.
2.8.2 <i>Decision tree</i>	Error! Bookmark not defined.
2.8.3 <i>Random Forest</i>	Error! Bookmark not defined.
2.9 Confusion Matrix	Error! Bookmark not defined.
2.10 Penelitian Terkait.....	Error! Bookmark not defined.
BAB III METODE PENELITIAN	Error! Bookmark not defined.
3.1 Objek Penelitian	Error! Bookmark not defined.
3.2 Pengumpulan Data.....	Error! Bookmark not defined.

3.3 *Preprocessing Text***Error! Bookmark not defined.**



3.3.1	<i>Cleaning</i>	Error! Bookmark not defined.
3.3.2	<i>Case Folding</i>	Error! Bookmark not defined.
3.3.3	<i>Normalize</i>	Error! Bookmark not defined.
3.3.4	<i>Stopword Removal</i>	Error! Bookmark not defined.
3.3.5	<i>Tokenize</i>	Error! Bookmark not defined.
3.3.6	<i>Stemming</i>	Error! Bookmark not defined.
3.4	<i>Labelling</i>	Error! Bookmark not defined.
3.5	TF-IDF	Error! Bookmark not defined.
3.6	Pembagian Dataset	Error! Bookmark not defined.
3.7	Klasifikasi	Error! Bookmark not defined.
3.7.1	<i>Support Vector Machine (SVM)</i>	Error! Bookmark not defined.
3.7.2	<i>Random Forest</i>	Error! Bookmark not defined.
3.7.3	<i>Decision Tree</i>	Error! Bookmark not defined.
3.8	Evaluasi Model	Error! Bookmark not defined.
3.9	Pengujian	Error! Bookmark not defined.
BAB IV HASIL DAN PEMBAHASAN		Error! Bookmark not defined.
4.1	Pengumpulan Data	Error! Bookmark not defined.
4.2	<i>Data Selection</i>	Error! Bookmark not defined.
4.3	<i>Pre-processing</i> Data	Error! Bookmark not defined.
4.4	Pelabelan Data	Error! Bookmark not defined.
4.5	<i>Data Transformation</i>	Error! Bookmark not defined.
4.6	Klasifikasi	Error! Bookmark not defined.
4.7	Evaluasi	Error! Bookmark not defined.
4.8	Pengujian	Error! Bookmark not defined.
4.9	Pembahasan	Error! Bookmark not defined.
BAB V KESIMPULAN DAN SARAN		Error! Bookmark not defined.
5.1	Kesimpulan	Error! Bookmark not defined.
5.2	Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA		Error! Bookmark not defined.
LAMPIRAN		Error! Bookmark not defined.
RIWAYAT PENULIS		Error! Bookmark not defined.

DAFTAR TABEL

Tabel 2.1 Tabel Penelitian Terkait	Error! Bookmark not defined.
Tabel 3.1 Waktu Penelitian	Error! Bookmark not defined.
Tabel 4.1 Data cleaning	Error! Bookmark not defined.
Tabel 4.2 Hasil Pelabelan	Error! Bookmark not defined.
Tabel 4.3 Pembagian dataset	Error! Bookmark not defined.
Tabel 4.4 Hasil evaluasi model	Error! Bookmark not defined.



DAFTAR GAMBAR

- Gambar 2.1** Margin Hyperlane.....**Error! Bookmark not defined.**
- Gambar 2.2** Cara kerja algoritma decision tree**Error! Bookmark not defined.**
- Gambar 2.3** Algoritma random forest**Error! Bookmark not defined.**
- Gambar 3.1** Alur Penelitian.....**Error! Bookmark not defined.**
- Gambar 3.2** Contoh data.....**Error! Bookmark not defined.**
- Gambar 3.3** contoh dataset sebelum dilakukan preprocessing**Error! Bookmark not defined.**
- Gambar 4.1** Contoh hasil crawling data**Error! Bookmark not defined.**
- Gambar 4.2** Kolom sebelum dilakukan data selection**Error! Bookmark not defined.**
- Gambar 4.3** Setelah dilakukan data selection.....**Error! Bookmark not defined.**
- Gambar 4.4** Bukti pelabelan kepada ahli pakar bahasa**Error! Bookmark not defined.**
- Gambar 4.5** Hasil TF-IDF**Error! Bookmark not defined.**
- Gambar 4.6** Inisialisasi model**Error! Bookmark not defined.**
- Gambar 4.7** penggunaan pipeline**Error! Bookmark not defined.**
- Gambar 4.8** Split data**Error! Bookmark not defined.**
- Gambar 4.9** Pelatihan terhadap model SVM.....**Error! Bookmark not defined.**
- Gambar 4.10** Pelatihan terhadap model random forest**Error! Bookmark not defined.**
- Gambar 4.11** Pelatihan terhadap model decision tree**Error! Bookmark not defined.**
- Gambar 4.12** Code evaluasi model SVM.....**Error! Bookmark not defined.**
- Gambar 4.13** Code evaluasi model random forest**Error! Bookmark not defined.**
- Gambar 4.14** Code evaluasi model decision tree .**Error! Bookmark not defined.**
- Gambar 4.15** SVM**Error! Bookmark not defined.**
- Gambar 4.16** Random forest**Error! Bookmark not defined.**
- Gambar 4.17** Decision tree**Error! Bookmark not defined.**
- Gambar 4.18** Hasil pelabelan menggunakan model**Error! Bookmark not defined.**
- Gambar 4.19** Distribusi sentiment SVM, RF, DT **Error! Bookmark not defined.**

Gambar 4.20 Wordcloud keywordError! Bookmark not defined.



DAFTAR LAMPIRAN

Lampiran 1 Form Bimbingan.....	Error! Bookmark not defined.
Lampiran 2 LOA.....	Error! Bookmark not defined.
Lampiran 3 Invoice Pelabelan Pakar.....	Error! Bookmark not defined.
Lampiran 4 Code	Error! Bookmark not defined.
Lampiran 5 Lembar Persetujuan Publish.....	Error! Bookmark not defined.
Lampiran 6 Hasil Turnitin.....	Error! Bookmark not defined.
Lampiran 7 Lembar Revisi ketua penguji.....	Error! Bookmark not defined.
Lampiran 8 Lembar Revisi Anggota Penguji 1	Error! Bookmark not defined.
Lampiran 9 Lembar Lampiran Anggota Penguji 2	Error! Bookmark not defined.

