

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.
ABSTRACT	Error! Bookmark not defined.
DAFTAR ISI	i
DAFTAR TABEL	iii
DAFTAR GAMBAR	iv
DAFTAR LAMPIRAN	v
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 <i>Customer Service</i>	Error! Bookmark not defined.
2.2 Suara Manusia.....	Error! Bookmark not defined.
2.3 Teori Emosi Manusia	Error! Bookmark not defined.
2.4 <i>Voice Recognition</i>	Error! Bookmark not defined.
2.5 Convolutional Neural Network (CNN)...	Error! Bookmark not defined.
2.6 <i>Confusion Matrix</i>	Error! Bookmark not defined.
2.7 Penelitian Terkait	Error! Bookmark not defined.
BAB III METODE PENELITIAN	Error! Bookmark not defined.
3.1 Objek Penelitian	Error! Bookmark not defined.
3.2 Prosedur Penelitian	Error! Bookmark not defined.
3.2.1 Pengumpulan Data	Error! Bookmark not defined.
3.2.2 Pra-proses Data	Error! Bookmark not defined.
3.2.3 Ekstraksi Fitur	Error! Bookmark not defined.

3.2.4	Modelling	Error! Bookmark not defined.
3.2.5	Evaluasi Model	Error! Bookmark not defined.
BAB IV HASIL DAN PEMBAHASAN		Error! Bookmark not defined.
4.1	Dataset Yang Digunakan	Error! Bookmark not defined.
4.2	Pra-Proses Data	Error! Bookmark not defined.
4.4.1	Augmentasi Data	Error! Bookmark not defined.
4.3	Ekstraksi Fitur	Error! Bookmark not defined.
4.4	Modelling	Error! Bookmark not defined.
4.4.1	Pelabelan	Error! Bookmark not defined.
4.4.2	Membagi Dataset menjadi Training dan Test	Error! Bookmark not defined.
4.4.3	Model Arsitektur	Error! Bookmark not defined.
4.5	Evaluasi	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.

KARAWANG

DAFTAR TABEL

Tabel 1. Penelitian Terkait	Error! Bookmark not defined.
Tabel 2. Jadwal Tahapan Penelitian.....	Error! Bookmark not defined.
Tabel 3. Rincian Dataset	Error! Bookmark not defined.
Tabel 4 Sampel Label Emosi, Jenis Kelamin, dan Path File pada Dataset Audio	Error! Bookmark not defined.
Tabel 5 Rincian Dataset	Error! Bookmark not defined.
Tabel 6 Rincian Label Dataset	Error! Bookmark not defined.
Tabel 7 Bentuk Data Training dan Testing	Error! Bookmark not defined.
Tabel 8 Rincian <i>Classification Report</i>	Error! Bookmark not defined.



DAFTAR GAMBAR

- Gambar 1. *Neural Network Layer*..... **Error! Bookmark not defined.**
Gambar 2. Alur Penelitian **Error! Bookmark not defined.**
Gambar 3. Alur Ekstraksi Fitur MFCC..... **Error! Bookmark not defined.**
Gambar 4 *Flowchart Mono Conversion* **Error! Bookmark not defined.**
Gambar 5 Visualisasi Proses Konversi Audio Stereo ke Mono**Error! Bookmark not defined.**
Gambar 6. *Output Normalisasi Sample Audio* **Error! Bookmark not defined.**
Gambar 7 Alur Proses Trimming dan Padding pada Data Audio**Error! Bookmark not defined.**
Gambar 8. *Output Trimming Sample Audio*..... **Error! Bookmark not defined.**
Gambar 9. *Output Padding Sample Audio* **Error! Bookmark not defined.**
Gambar 10 Visualisasi Augmentasi *White Noise*..... **Error! Bookmark not defined.**
Gambar 11 Visualisasi Augmentasi *Speed & Pitch*.... **Error! Bookmark not defined.**
Gambar 12 Visualisasi *Resampling Audio* **Error! Bookmark not defined.**
Gambar 13 Model Arsitektur CNN..... **Error! Bookmark not defined.**
Gambar 14 Confusion Matrix Model..... **Error! Bookmark not defined.**
Gambar 15 Grafik accuracy dan Loss Model Selama Pelatihan Model**Error! Bookmark not defined.**



KARAWANG

DAFTAR LAMPIRAN

1. Lembar Bimbingan Tugas Akhir **Error! Bookmark not defined.**
2. Lembar Perbaikan Ketua Penguji Sidang Tugas Akhir**Error! Bookmark not defined.**
3. Lembar Perbaikan Anggota Penguji I Sidang Tugas Akhir**Error! Bookmark not defined.**
4. Lembar Perbaikan Anggota Penguji II Sidang Tugas Akhir**Error! Bookmark not defined.**
5. Pseudocode..... **Error! Bookmark not defined.**



