

DAFTAR ISI

LEMBAR PENGESAHAN TUGAS AKHIR	Error! Bookmark not defined.
SURAT PERNYATAAN KARYA SENDIRI	Error! Bookmark not defined.
ABSTRAK.....	Error! Bookmark not defined.
<i>ABSTRACT</i>	Error! Bookmark not defined.
KATA PENGANTAR.....	Error! Bookmark not defined.
DAFTAR ISI	vii
DAFTAR GAMBAR.....	x
DAFTAR TABEL	xii
BAB I PENDAHULUAN.....	Error! Bookmark not defined.
1.1 Latar Belakang.....	Error! Bookmark not defined.
1.2 Penelitian Terkait.....	Error! Bookmark not defined.
1.3 Rumusan Masalah.....	Error! Bookmark not defined.
1.4 Tujuan	Error! Bookmark not defined.
1.5 Manfaat	Error! Bookmark not defined.
1.6 Batasan Masalah	Error! Bookmark not defined.
1.7 Kerangka Berpikir.....	Error! Bookmark not defined.
1.8 Sistematika Penulisan	Error! Bookmark not defined.
BAB II TEORI DASAR	Error! Bookmark not defined.
2.1 Gangguan Pencernaan Landak Mini.....	Error! Bookmark not defined.
2.2 Sistem Pakar (<i>Expert System</i>).....	Error! Bookmark not defined.
2.3 Pengolahan Citra (<i>Image Processing</i>)	Error! Bookmark not defined.
2.3.1 <i>Preprocessing</i>	Error! Bookmark not defined.
2.3.2 <i>Segmentation</i>	Error! Bookmark not defined.
2.3.3 <i>Feature Extraction</i>	Error! Bookmark not defined.
2.4 <i>Convolutional Neural Network</i> (CNN).....	Error! Bookmark not defined.
2.5 Flutter.....	Error! Bookmark not defined.
2.6 Dart	Error! Bookmark not defined.
2.7 TensorFlow Lite.....	Error! Bookmark not defined.
BAB III METODE PENELITIAN	Error! Bookmark not defined.

3.1	Metode Penelitian	Error! Bookmark not defined.
3.1.1	Studi Literatur	Error! Bookmark not defined.
3.1.2	Identifikasi Masalah	Error! Bookmark not defined.
3.1.3	Analisis Kebutuhan	Error! Bookmark not defined.
3.1.4	Pengumpulan Data	Error! Bookmark not defined.
3.1.5	Perancangan Sistem	Error! Bookmark not defined.
3.1.6	Implementasi Sistem	Error! Bookmark not defined.
3.1.7	Pengujian Sistem	Error! Bookmark not defined.
3.1.8	Analisis Hasil Pengujian	Error! Bookmark not defined.
BAB IV PERANCANGAN DAN IMPLEMENTASI		Error! Bookmark not defined.
4.1	Perancangan Alur Sistem	Error! Bookmark not defined.
4.2	Perancangan Model CNN	Error! Bookmark not defined.
4.2.1	Perancangan <i>Dataset</i> dan <i>Preprocessing</i>	Error! Bookmark not defined.
4.2.2	Perancangan Arsitektur dan Skema Pelatihan Model	Error! Bookmark not defined.
4.3	Perancangan Sistem Pakar	Error! Bookmark not defined.
4.3.1	Perancangan Basis Pengetahuan	Error! Bookmark not defined.
4.3.2	Perancangan Mekanisme Inferensi	Error! Bookmark not defined.
4.4	Perancangan Aplikasi	Error! Bookmark not defined.
4.4.1	Perancangan Fungsional	Error! Bookmark not defined.
4.4.2	Perancangan Alur Aktivitas	Error! Bookmark not defined.
4.4.3	Perancangan Antar Muka	Error! Bookmark not defined.
4.5	Implementasi Model CNN	Error! Bookmark not defined.
4.5.1	<i>Preprocessing</i> dan Augmentasi	Error! Bookmark not defined.
4.5.2	Arsitektur dan Pelatihan Model	Error! Bookmark not defined.
4.5.3	Konversi Model ke TensorFlow Lite	Error! Bookmark not defined.
4.6	Implementasi Sistem Pakar	Error! Bookmark not defined.
4.7	Implementasi Aplikasi	Error! Bookmark not defined.
4.7.1	Struktur Project dan <i>Dependencies</i>	Error! Bookmark not defined.

4.7.2	Integrasi Model CNN.....	Error! Bookmark not defined.
4.7.3	Implementasi Antarmuka.....	Error! Bookmark not defined.
BAB V HASIL DAN ANALISIS.....		Error! Bookmark not defined.
5.1	Pengujian	Error! Bookmark not defined.
5.1.1	Pengujian Model CNN.....	Error! Bookmark not defined.
5.1.2	Pengujian Aplikasi (<i>Black Box Testing</i>)	Error! Bookmark not defined.
5.1.3	Pengujian Akurasi Sistem Pada Aplikasi (<i>Real-world Testing</i>)	Error! Bookmark not defined.
5.2	Analisis	Error! Bookmark not defined.
BAB VI PENUTUP.....		Error! Bookmark not defined.
6.1.	Kesimpulan	Error! Bookmark not defined.
6.2.	Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA.....		Error! Bookmark not defined.
LAMPIRAN		Error! Bookmark not defined.



DAFTAR GAMBAR

Gambar 1. 1 Hubungan penelitian terkait	Error! Bookmark not defined.
Gambar 1. 2 Kerangka berpikir.....	Error! Bookmark not defined.
Gambar 2. 1 Feses normal landak mini.....	Error! Bookmark not defined.
Gambar 2. 2 Feses terindikasi infeksi	Error! Bookmark not defined.
Gambar 2. 3 Feses terindikasi pendarahan.....	Error! Bookmark not defined.
Gambar 2. 4 Arsitektur sistem pakar.....	Error! Bookmark not defined.
Gambar 2. 5 Arsitektur CNN	Error! Bookmark not defined.
Gambar 3. 1 Alur penelitian.....	Error! Bookmark not defined.
Gambar 4. 1 Alur sistem	Error! Bookmark not defined.
Gambar 4. 2 Arsitektur model CNN	Error! Bookmark not defined.
Gambar 4. 3 Alur inferensi sistem pakar	Error! Bookmark not defined.
Gambar 4. 4 <i>Use case</i> diagram	Error! Bookmark not defined.
Gambar 4. 5 <i>Activity</i> diagram <i>Home Page</i>	Error! Bookmark not defined.
Gambar 4. 6 <i>Activity</i> diagram halaman <i>Health</i>	Error! Bookmark not defined.
Gambar 4. 7 Rancangan antar muka <i>Home Page</i> ..	Error! Bookmark not defined.
Gambar 4. 8 Rancangan antar muka halaman <i>Health</i>	Error! Bookmark not defined.
Gambar 4. 9 Preprocessing data.....	Error! Bookmark not defined.
Gambar 4. 10 Augmentasi data.....	Error! Bookmark not defined.
Gambar 4. 11 Arsitektur CNN	Error! Bookmark not defined.
Gambar 4. 12 <i>Hyperparameter training</i> dan data <i>splitting</i> ..	Error! Bookmark not defined.
Gambar 4. 13 Konversi model ke TensorFlow Lite.....	Error! Bookmark not defined.
Gambar 4. 14 Sistem pakar	Error! Bookmark not defined.

- Gambar 4. 15 *Depedencies***Error! Bookmark not defined.**
- Gambar 4. 16 Integrasi model CNN di flutter.....**Error! Bookmark not defined.**
- Gambar 4. 17 Halaman utama.....**Error! Bookmark not defined.**
- Gambar 4. 18 Halaman *Health*.....**Error! Bookmark not defined.**
- Gambar 4. 19 *Popup* hasil diagnosis.....**Error! Bookmark not defined.**
- Gambar 5. 1 Grafik akurasi dan *loss* model warna **Error! Bookmark not defined.**
- Gambar 5. 2 *Confussion matrix* model warna.....**Error! Bookmark not defined.**
- Gambar 5. 3 Grafik akurasi dan *loss* model konsistensi **Error! Bookmark not defined.**
- Gambar 5. 4 *Confussion matrix* model konsistensi**Error! Bookmark not defined.**



DAFTAR TABEL

Tabel 1. 1 Tabel referensi.....	Error! Bookmark not defined.
Tabel 3. 1 Kebutuhan fungsional	Error! Bookmark not defined.
Tabel 3. 2 Kebutuhan non-fungsional.....	Error! Bookmark not defined.
Tabel 4. 1 Basis pengetahuan sistem pakar.....	Error! Bookmark not defined.
Tabel 5. 1 <i>Black box testing</i>	Error! Bookmark not defined.
Tabel 5. 2 Hasil pengujian akurasi sistem.....	Error! Bookmark not defined.

