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 vii
DAFTAR TABEL ix
DAFTAR GAMBAR x
DAFTAR LAMPIRAN xi
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 Tanaman Mangga ..... **Error! Bookmark not defined.**
2.2 Daun Mangga ..... **Error! Bookmark not defined.**
2.3 *Anthracnose* ..... **Error! Bookmark not defined.**
2.4 *Bacterial Canker* ..... **Error! Bookmark not defined.**
2.5 *Cutting Weevil* ..... **Error! Bookmark not defined.**
2.6 *Die Back* ..... **Error! Bookmark not defined.**
2.7 *Gall Midge* ..... **Error! Bookmark not defined.**
2.8 *Powdery Mildew* ..... **Error! Bookmark not defined.**
2.9 *Sooty Mould* ..... **Error! Bookmark not defined.**
2.10 *Image Processing* ..... **Error! Bookmark not defined.**
2.11 Klasifikasi ..... **Error! Bookmark not defined.**
2.12 *Gray Level Co-Occurrence Matrix* ..... **Error! Bookmark not defined.**
2.13 *Machine Learning* ..... **Error! Bookmark not defined.**
2.14 *Support Vector Machine* ..... **Error! Bookmark not defined.**
2.15 *K-Nearest Neighbor* (KNN) ..... **Error! Bookmark not defined.**

2.16 *Confusion Matrix* ..... **Error! Bookmark not defined.**
2.17 Penelitian Terkait ..... **Error! Bookmark not defined.**
BAB III METODE PENELITIAN ..... **Error! Bookmark not defined.**
3.1. Rancangan Penelitian ..... **Error! Bookmark not defined.**
3.1.1. Pengumpulan Data ..... **Error! Bookmark not defined.**
3.1.2. *Pre-Processing* Data ..... **Error! Bookmark not defined.**
3.1.3. Ekstrasi Fitur *Gray Level Co-Occurrence Matrix* . **Error! Bookmark not defined.**
3.1.4. Split Data ..... **Error! Bookmark not defined.**
3.1.5. Pengujian dan Evaluasi ..... **Error! Bookmark not defined.**
BAB IV HASIL DAN PEMBAHASAN ..... **Error! Bookmark not defined.**
4.1 Pengumpulan Data ..... **Error! Bookmark not defined.**
4.2 Pre-processing ..... **Error! Bookmark not defined.**
4.3 Ekstrasi Fitur GLCM ..... **Error! Bookmark not defined.**
4.4 Split Data ..... **Error! Bookmark not defined.**
4.5 Pengujian dan Evaluasi Model ..... **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 Rumus Kernel Linear ..... **Error! Bookmark not defined.**
Tabel 2.2 Penelitian Terkait..... **Error! Bookmark not defined.**
Tabel 4.1 Hasil perhitungan rata rata GLCM ..... **Error! Bookmark not defined.**
Tabel 4.2 Hasil pemisahan data..... **Error! Bookmark not defined.**
Tabel 4.3 Report hasil akurasi klasifikasi SVM .... **Error! Bookmark not defined.**

DAFTAR GAMBAR

Gambar 2.1 Pohon mangga ..... **Error! Bookmark not defined.**
Gambar 2.2 Daun Mangga..... **Error! Bookmark not defined.**
Gambar 2.3 Bagian Daun Mangga ..... **Error! Bookmark not defined.**
Gambar 2.4 Colletotrichum Gloeosporioides..... **Error! Bookmark not defined.**
Gambar 2. 5 Daun Mangga yang Terkena Anthracnose ..... **Error! Bookmark not defined.**
Gambar 2.6 Xanthomonas citri pv..... **Error! Bookmark not defined.**
Gambar 2.7 Daun Terkena Bacterial Canker..... **Error! Bookmark not defined.**
Gambar 2.8 Kumbang Pemotong Daun..... **Error! Bookmark not defined.**
Gambar 2.9 Daun yang Terkena *cutting weevil* .... **Error! Bookmark not defined.**
Gambar 2.10 Botryosphaeria rhodian..... **Error! Bookmark not defined.**
Gambar 2.11 Daun yang Terkena Die Back..... **Error! Bookmark not defined.**
Gambar 2.12 Tungau eriophyoid..... **Error! Bookmark not defined.**
Gambar 2.13 Daun yang Terkena Gall Midge ..... **Error! Bookmark not defined.**
Gambar 2.14 Pseudoidium anacard ..... **Error! Bookmark not defined.**
Gambar 2.15 daun mangga yang terkena powdery mildew. **Error! Bookmark not defined.**
Gambar 2.16 Kutu Daun Mangga..... **Error! Bookmark not defined.**
Gambar 2.17 Daun yang Terkena Kutu Daun ..... **Error! Bookmark not defined.**
Gambar 2.18 SVM..... **Error! Bookmark not defined.**
Gambar 3.1 Rancangan Penelitian..... **Error! Bookmark not defined.**
Gambar 3.2 (a).Antchracnose, (b). Bacterial Canker, (c).Cutting Weevil, (d).Die Back, (e).Gall Midge, (f).Healthy,(g).Powdery Mildew, dan (h).Sooty Mould ..... **Error! Bookmark not defined.**
Gambar 3.3 (a).Asli, (b).Hasil resize..... **Error! Bookmark not defined.**
Gambar 3.4 (a).Asli, (b).Hasil horizontal..... **Error! Bookmark not defined.**
Gambar 3.5 (a).Asli, (b).Hasil GLCM..... **Error! Bookmark not defined.**
Gambar 4.1 (a).Antchracnose, (b). Bacterial Canker, (c).Cutting Weevil, (d).Die Back, (e).Gall Midge, (f).Healthy,(g).Powdery Mildew, dan (h).Sooty Mould ..... **Error! Bookmark not defined.**
Gambar 4. 2 Hasil Pre-processing dan Augmentasi ..... **Error! Bookmark not defined.**
Gambar 4.3 Hasil kebenaran prediksi model SVM **Error! Bookmark not defined.**
Gambar 4.4 Hasil kesalahan prediksi model SVM **Error! Bookmark not defined.**
Gambar 4.5 Hasil kebenaran prediksi model K-NN..... **Error! Bookmark not defined.**
Gambar 4.6 Hasil kesalahan prediksi model K-NN ..... **Error! Bookmark not defined.**
Gambar 4.7 Confusion Matrix SVM ..... **Error! Bookmark not defined.**
Gambar 4.8 Confusion matrix K-NN ..... **Error! Bookmark not defined.**

UBP
KARAWANG

DAFTAR LAMPIRAN

Lampiran 1.1 Lembar bimbingan TA .....**Error! Bookmark not defined.**
Lampiran 1.2 Lembar Persetujuan Publikasi Non-skripsi ... **Error! Bookmark not defined.**
Lampiran 1.3 Jurnal pengesahan.....**Error! Bookmark not defined.**
Lampiran 1.4 Jurnal halaman 1.....**Error! Bookmark not defined.**
Lampiran 1.5 Jurnal halaman 2.....**Error! Bookmark not defined.**
Lampiran 1.6 Jurnal halaman 3.....**Error! Bookmark not defined.**
Lampiran 1.7 Jurnal halaman 4.....**Error! Bookmark not defined.**
Lampiran 1.8 Jurnal halaman 5.....**Error! Bookmark not defined.**
Lampiran 1.9 Jurnal halaman 6.....**Error! Bookmark not defined.**
Lampiran 1.10 Jurnal halaman 7.....**Error! Bookmark not defined.**
Lampiran 1.11 Jurnal halaman 8.....**Error! Bookmark not defined.**
Lampiran 1.12 Jurnal halaman 9.....**Error! Bookmark not defined.**
Lampiran 1.13 Jurnal halaman 10.....**Error! Bookmark not defined.**
Lampiran 1.14 Jurnal halaman 11.....**Error! Bookmark not defined.**
Lampiran 1.15 Jurnal halaman 12.....**Error! Bookmark not defined.**
Lampiran 1.16 Jurnal halaman 13.....**Error! Bookmark not defined.**
Lampiran 1.17 Bukti submit ke website JPTI.....**Error! Bookmark not defined.**
Lampiran 1.18 Bukti whats'app publisher JPTI ....**Error! Bookmark not defined.**
Lampiran 1.19 Bukti Publisher melalui email .....**Error! Bookmark not defined.**
Lampiran 1.20 Bukti LOA SINTA 3 .....**Error! Bookmark not defined.**