

DAFTAR ISI

| | |
|---|-------------|
| LEMBAR PENGESAHAN | i |
| LEMBAR PERNYATAAN ORISINALITAS | ii |
| IDENTITAS BUKU | iii |
| ABSTRAK | iv |
| ABSTRACT | v |
| KATA PENGANTAR | vi |
| UCAPAN TERIMAKASIH | vii |
| DAFTAR ISI | viii |
| DAFTAR GAMBAR | x |
| DAFTAR TABEL | xi |
| DAFTAR ISTILAH | xii |
| DAFTAR SINGKATAN | xiii |
| BAB I PENDAHULUAN | 1 |
| 1.1 Latar Belakang | 1 |
| 1.2 Tujuan dan Manfaat | 2 |
| 1.3 Rumusan Masalah | 3 |
| 1.4 Batasan Masalah | 3 |
| 1.5 Metodologi | 3 |
| 1.6 Sistematika Penulisan | 4 |
| BAB II DASAR TEORI | 5 |
| 2.1 <i>Computer vision</i> | 5 |
| 2.2 <i>Alat Pelindung Diri (APD)</i> | 5 |
| 2.3 <i>Artificial Intelligence</i> | 8 |
| 2.4 <i>You Look Only Once (YOLO)</i> | 9 |
| 2.5 <i>Convolutional Neural Network (CNN)</i> | 10 |
| 2.6 <i>Google Colab</i> | 11 |
| 2.7 <i>Roboflow</i> | 11 |
| 2.8 <i>Image Processing</i> | 12 |
| BAB III PERENCANAAN | 14 |

| | | |
|---|---|-------------|
| 3.1 | Deskripsi Proyek Akhir | 14 |
| 3.2 | Analisis Kebutuhan Sistem | 18 |
| 3.2.1 | Spesifikasi Perangkat Keras (<i>Hardware</i>)..... | 18 |
| 3.2.2 | Spesifikasi Perangkat Lunak (<i>Software</i>) | 18 |
| 3.3 | Implementasi YOLO..... | 19 |
| BAB IV HASIL DAN ANALISIS | | 22 |
| 4.1 | Pengujian Tingkat Akurasi | 22 |
| 4.3 | Analisa | 25 |
| BAB V KESIMPULAN DAN SARAN | | 26 |
| 5.1 | Kesimpulan | 26 |
| 5.2 | Saran | 26 |
| DAFTAR PUSTAKA | | 27 |
| LAMPIRAN | | 5-1 |
| LAMPIRAN A | | 5-2 |
| LAMPIRAN B | | 5-3 |
| LAMPIRAN C | | 5-4 |
| LAMPIRAN D | | 5-5 |
| LAMPIRAN E | | 5-6 |
| LAMPIRAN F..... | | 5-7 |
| LAMPIRAN G | | 5-8 |
| LAMPIRAN H | | 5-9 |
| LAMPIRAN I..... | | 5-10 |
| LAMPIRAN J | | 5-11 |
| LAMPIRAN K..... | | 5-12 |