

DAFTAR GAMBAR

Gambar 3.1 Desain sistem klasifikasi penyakit glaukoma menggunakan deep learning berbasis android	10
Gambar 3.2 Arsitektur AlexNet	12
Gambar 3.3 Arsitektur Custom Layer	13
Gambar 3.4 Arsitektur EfficientNetV1	15
Gambar 3.5 Arsitektur InceptionV3	16
Gambar 3.6 Arsitektur VGG19	17
Gambar 3.7 Metode Waterfall	18
Gambar 4.1 Flowchart Penginputan Citra	22
Gambar 4.2 Source Code Halaman Kamera	23
Gambar 4.3 Source Code Halaman Galeri	23
Gambar 4.4 Halaman Tombol Kamera	24
Gambar 4.5 Tombol Galeri	24
Gambar 4.6 Back End Ucrop	25
Gambar 4.7 Ucrop	26
Gambar 4.8 Flowchart Pendeteksian Citra	27
Gambar 4.9 Source Code Import Gambar	27
Gambar 4.10 Source Code Inisiasi Model	27
Gambar 4.11 Source Code Persiapan Masukan dan Deteksi Gambar	28
Gambar 4.12 Source Code Output Deteksi	28
Gambar 4.13 Source Code Hasil Deteksi	29
Gambar 4.14 Halaman Deteksi	29
Gambar 4.15 Halaman Hasil Deteksi	30
Gambar 5.1 Grafik akurasi training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,001 Learning rate, Adam optimizer; (b) 64 batch size, 0,0001 Learning rate, Adam; (c) 256 Batch Size, 0,0001 Learning rate, Adam optimizer; (d) 64 Batch Size, 0,0001 Learning rate, Nadam optimizers.....	35
Gambar 5.2 Grafik loss training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,001 Learning rate, Adam optimizer; (b) 64 batch size, 0,0001 Learning rate, Adam; (c) 256 Batch Size, 0,0001 Learning rate, Adam optimizer; (d) 64 Batch Size, 0,0001 Learning rate, Nadam optimizers.	36

Gambar 5.3 Grafik akurasi training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,0001 Learning rate, Adam optimizer; (b) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (c) 128 Batch Size, 0,0001 Learning rate, Adam optimizer; (d) 512 Batch Size, 0,001 Learning rate, Nadam optimizer.37

Gambar 5.4 Grafik loss training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,0001 Learning rate, Adam optimizer; (b) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (c) 128 Batch Size, 0,0001 Learning rate, Adam optimizer; (d) 512 Batch Size, 0,001 Learning rate, Nadam optimizer.38

Gambar 5.5 Grafik akurasi training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (b) 64 Batch Size, 0,001 Learning rate, RMSprop optimizer; (c) 128 Batch Size, 0,001 Learning rate, Nadam optimizer; (d) 128 Batch Size, 0,001 Learning rate, RMSprop optimizer.39

Gambar 5.6 Grafik loss training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (b) 64 Batch Size, 0,001 Learning rate, RMSprop optimizer; (c) 128 Batch Size, 0,001 Learning rate, Nadam optimizer; (d) 128 Batch Size, 0,001 Learning rate, RMSprop optimizer.40

Gambar 5.7 Grafik akurasi training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,01 Learning rate, Adam optimizer; (b) 64 Batch Size, 0,001 Learning rate, Adam optimizer; (c) 128 Batch Size, 0,01 Learning rate, Adam optimizer; (d) 128 Batch Size, 0,001 Learning rate, Adam optimizer.41

Gambar 5.8 Grafik loss training dan validation hasil experiment Hyperparameter. (a) 64 Batch Size, 0,01 Learning rate, Adam optimizer; (b) 64 Batch Size, 0,001 Learning rate, Adam optimizer; (c) 128 Batch Size, 0,01 Learning rate, Adam optimizer; (d) 128 Batch Size, 0,001 Learning rate, Adam optimizer.42

Gambar 5.9 Grafik akurasi training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,001 Learning rate, Adam optimizer; (b) 64 Batch Size, 0,0001 Learning rate, Adam optimizer; (c) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (d) 512 Batch Size, 0,001 Learning rate, Nadam optimizer.43

Gambar 5.10 Grafik loss training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,001 Learning rate, Adam optimizer; (b) 64 Batch Size, 0,0001 Learning rate, Adam optimizer; (c) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (d) 512 Batch Size, 0,001 Learning rate, Nadam optimizer.44

Gambar 5.11 Grafik akurasi training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,01 Learning rate, Nadam optimizer; (b) 64 Batch Size, 0,001 Learning rate,

Nadam optimizer; (c) 128 Batch Size, 0,001 Learning rate, Adam optimizer; (d) 128 Batch Size, 0,001 Learning rate, Nadam optimizer.	45
Gambar 5.12 Grafik loss training dan validation hasil pengujian Hyperparameter. (a) 64 Batch Size, 0,01 Learning rate, Nadam optimizer; (b) 64 Batch Size, 0,001 Learning rate, Nadam optimizer; (c) 128 Batch Size, 0,001 Learning rate, Adam optimizer; (d) 128 Batch Size, 0,001 Learning rate, Nadam optimizer.	46
Gambar 5.13 Confusion matrix hasil uji model. (a) Alexnet; (b) Custom Layer; (c) MobileNetV2; (d) EfficientNetV1; (e) InceptionV3; (f) VGG19.....	48
Gambar 5.14 Halaman Hasil Deteksi	49
Gambar 5.15 Hasil Survey User Experience.....	54