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BAB VI

KESIMPULAN DAN SARAN

6.1 Kesimpulan

Dari penelitian ini diperoleh beberapa kesimpulan yaitu :

1. Proses klasifikasi jenis biji kopi Indonesia menggunakan deep learning yang telah dilakukan menunjukkan hasil yang baik.
2. Pelatihan yang dilakukan untuk klasifikasi jenis kopi cocok menggunakan arsitektur jaringan Convolutional Neural Network (CNN).
3. Proses pelatihan yang telah dilakukan menghasilkan tingkat akurasi validation sebesar 74,26%.

6.2 Saran

Adapun saran untuk penelitian berikutnya adalah :

1. Apabila menambahkan jumlah dataset yang lebih banyak akan menghasilkan akurasi yang lebih baik dan penambahan kelas lebih banyak akan membuat penelitian lebih variatif.
2. Penelitian yang telah berhasil dilakukan dapat diimplementasikan ke aplikasi mobile sehingga dapat dimanfaatkan oleh masyarakat luas dan diterapakan secara *real time.*

3. Penelitian klasifikasi jenis kopi ini pertama kali dilakukan dan bisa dikembangkan lebih jauh lagi terkait industry kopi, contohnya membangun sistem yang dapat menentukan *grade* kualitas biji kopi.

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