BAB VI
PENUTUP

A. Kesimpulan

Berdasarkan penilitan, implementasi, dan pegujian yang sudah dilakukan menggunakan model CNN yaitu ResNet50 dapat disimpulkan bahwa model mampu melakukan generalisasi data dengan baik, serta mampu mengenali jenis penyakit beserta kelas penyakitnya. Dari hasil pengujian dengan 80 gambar menunjukkan bahwa model memiliki akurasi sebesar 85%. Hal ini menunjukkan bahwa model dapat melakukan klasifikasi dengan baik untuk mendeteksi penyakit kanker ganas dan jinak beserta kelas penyakitnya.

Pada hasil evaluasi model juga menunjukkan bahwa tidak ada tanda overfitting maupun underfitting dan menunjukkan performa model yang stabil. Beberapa kesalahan deteksi masih mungkin terjadi pada gambar yang posisinya tidak tepat dan adanya noise pada gambar. Dengan demikian pendeteksi penyakit kanker kulit ini menjadi solusi untuk membantu deteksi dini pada penyakit kanker kulit agar membantu masyarakat yang masih jauh dari pusat kesehatan.

B. Saran

Berikut adalah saran dari hasil pengembangan pendeteksi penyakit kanker kulit:

1. Menambah dataset untuk penyakit yang memiliki noise serta pola penyakit yang beragam.
2. Menambah dataset untuk penyakit ganas agar model lebih banyak mempelajari penyakit ganas guna menaikan f1-score.

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