

## **BAB V**

### **PENUTUP**

#### **5.1 Kesimpulan**

Berdasarkan dari hasil penelitian yang telah dijelaskan, dapat disimpulkan beberapa hal sebagai berikut:

1. Telah dirancang pengenalan Bahasa isyarat SIBI (Sistem Isyarat Bahasa Indonesia) untuk alfabet dan angka (1-10), berbasis *deep learning* dengan menggunakan model pra-pelatihan *EfficientNetV2B1*.
2. Didapatkan tingkat akurasi pelatihan dari model pra-pelatihan *EfficientNetV2B0* sebesar 99,779% dan 99,806% untuk model pra-pelatihan *EfficientNetV2B1*. Hasil Pengujian akhir dengan model *EfficientNetV2B1* didapatkan tingkat keberhasilan pengenalan keseluruhan sebesar 51,92% dari 468 kali percobaan.

#### **5.2 Saran**

Berdasarkan hasil dalam penelitian ini, terdapat beberapa saran untuk penelitian selanjutnya:

1. Menambah jumlah kelas pengenalan seperti isyarat pokok (kata dasar), isyarat tambahan (awalan, akhiran, partikel), dan lainnya.
2. Memperbanyak ragam citra serta variasi latar belakang citra pada himpunan data.
3. Menggunakan model terbaru dan terbaik lainnya dalam melatih himpunan data.

4. Melakukan pengujian langsung ke penyandang disabilitas pengguna Bahasa isyarat SIBI, untuk memverifikasi kebenaran dari sistem yang dirancang.
5. Melanjutkan hingga antar muka aplikasi pengguna baik halaman web maupun aplikasi seluler.

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