

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1. Kesimpulan**

Berdasarkan hasil penelitian yang telah dilakukan maka dapat diambil kesimpulan sebagai berikut:

1. Ekstrak etanol daun angšana (*Pterocarpus indicus* W.) dengan nilai  $IC_{50}$   $1692,4 \pm 66,87$   $\mu\text{g/ml}$  memiliki potensi inhibisi 8 kali lebih rendah jika dibandingkan dengan acarbose sebagai kontrol positif, dimana nilai  $IC_{50}$  dari acarbose adalah  $210,82 \pm 61,97$   $\mu\text{g/ml}$ .
2. Kombinasi antara ekstrak etanol daun angšana (*Pterocarpus indicus* W.) dan acarbose memiliki potensi inhibisi terhadap enzim alfa glukosidase sebagai obat antidiabetes oral serta memiliki efek antagonis.

#### **5.2. Saran**

Berdasarkan hasil penelitian yang telah dilakukan, maka perlu dilakukan penelitian lebih lanjut mengenai mekanisme ekstrak etanol daun angšana (*Pterocarpus indicus* W.) sebagai obat antidiabetes, serta dilihat dari efek kombinasi dari acarbose dan ekstrak etanol daun angšana (*Pterocarpus indicus* W.) maka, acarbose tidak boleh digunakan secara bersama-sama dengan ekstrak etanol daun angšana dan apabila harus digunakan secara bersama-sama maka pemberian pertama adalah acarbose kemudian setelah 1 atau 2 jam dilanjutkan dengan pemberian ekstrak etanol daun angšana.

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