

## BAB 5

### KESIMPULAN DAN SARAN

#### 5.1 KESIMPULAN

- 5.1.1 Variasi dosis tunggal STZ tidak mempengaruhi durasi efek terjadinya efek diabetogenik pada tikus wistar jantan
- 5.1.2 Variasi dosis tunggal STZ mempengaruhi diameter pulau Langerhans sel pankreas tikus wistar jantan, semakin tinggi dosis yang diberikan maka ukuran diameter Langerhans akan semakin berkurang
- 5.1.3 Variasi dosis tunggal STZ mempengaruhi kadar gula darah pada tikus wistar jantan, semakin tinggi dosis yang diberikan semakin tinggi kadar gula darah yang dialami tikus

#### 5.2 SARAN

Berdasarkan hasil penelitian yang sudah dikaji, penulis bermaksud ingin memberikan saran yang semoga dapat bermanfaat bagi peneliti selanjutnya, yaitu sebagai berikut :

- 5.2.1 Dilakukan pengamatan lebih spesifik meliputi perhitungan jumlah sel  $\beta$  pankreas menggunakan pewarnaan *Mallory Azan*. Perhitungan jumlah sel  $\beta$  dianggap lebih spesifik dikarenakan mekanisme kerja dari STZ sendiri yaitu menyebabkan kematian sel  $\beta$ . Pulau Langerhans pada jaringan pankreas tikus juga terdapat beberapa yang dimana ukurannya tidak selalu sama, sehingga dapat dikatakan bahwa pengukuran jumlah sel  $\beta$  lebih efektif untuk mengetahui pengaruh dari variasi dosis STZ.
- 5.2.2 Mengamati kadar gula darah tikus dengan frekuensi waktu yang lebih sering atau bila memungkinkan dilakukan

pengecekan kadar gula darah setiap hari untuk mengetahui lebih pasti berapa lama durasi yang terjadi saat kondisi diabetes mellitus telah pulih dengan sendirinya.

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