

## **BAB VII**

### **KESIMPULAN DAN SARAN**

#### **7.1. Kesimpulan**

Berdasarkan hasil analisa data dari penelitian yang telah dilakukan, maka dapat disimpulkan sebagai berikut ini:

1. Terdapat pengaruh yang bermakna pada *intake* mikroplastik peroral dengan dosis 0,0375 mg/hari, 0,075 mg/hari, 0,15 mg/hari, 0,3 mg/hari dan 0,6 mg/hari selama 90 hari terhadap kerusakan pada struktur tubulus pada *Rattus norvegicus strain wistar* jantan pada kelompok eksperimen dibandingkan dengan kelompok kontrol.
2. Terdapat pengaruh yang bermakna pada *intake* mikroplastik peroral dengan dosis 0,0375 mg/hari, 0,075 mg/hari, 0,15 mg/hari, 0,3 mg/hari, dan 0,6 mg/hari selama 90 hari terhadap kerusakan pada struktur glomerulus pada *Rattus norvegicus strain wistar* jantan pada kelompok eksperimen dibandingkan dengan kelompok kontrol.

#### **7.2. Saran**

Berdasarkan hasil penelitian ini, berikut adalah saran peneliti untuk penelitian berikutnya:

1. Mengajukan untuk penelitian selanjutnya dilakukan pemeriksaan terhadap makanan dan minuman yang diberikan kepada hewan coba.
2. Mengajukan untuk penelitian selanjutnya dilakukan pemeriksaan terhadap adanya hubungan antara variasi berat badan hewan coba dengan efek mikroplastik.
3. Mengajukan untuk penelitian selanjutnya dilakukan pemeriksaan serum kreatinin dan BUN terhadap darah hewan coba untuk melihat fungsi ginjal

hewan coba.

4. Mengajukan untuk penelitian selanjutnya dilakukan pembuatan preparat histologi menggunakan perwarnaan selain pewarnaan HE terhadap sampel ginjal hewan coba.

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