

## **BAB 5**

### **KESIMPULAN DAN SARAN**

#### **5.1 Kesimpulan**

1. Pemberian sediaan gel sekretom sel punca mesenkimal efektif dalam menurunkan sel neutrofil pada tikus putih jantan yang mengalami luka eksisi dimana dari hasil data statistik menunjukkan perbedaan bermakna ( $p \leq 0,05$ ) antara kelompok kontrol negatif dengan kelompok perlakuan.
2. Pemberian sediaan gel sekretom sel punca mesenkimal efektif dalam meningkatkan kepadatan kolagen pada tikus putih jantan yang mengalami luka eksisi dimana dari hasil data statistik menunjukkan perbedaan bermakna ( $p \leq 0,05$ ) antara kelompok kontrol negatif dengan kelompok perlakuan.

#### **5.2 Saran**

1. Perlu dilakukan penelitian lebih lanjut untuk memperkecil ukuran partikel sekretom sel punca mesenkimal untuk meningkatkan efektivitas dari penghantaran sekretom sel punca mesenkimal.
2. Perlu dilakukan penelitian lebih lanjut mengenai perubahan bentuk sekretom sel punca mesenkimal menjadi serbuk menggunakan metode *freeze drying* serta pengujian stabilitas sekretom sel punca mesenkimal dalam bentuk serbuk.

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