

## **BAB VII**

### **KESIMPULAN**

- Kombinasi PRP dan SVFs adalah terapi yang efektif untuk penyembuhan luka bakar deep dermal dibandingkan dengan terapi konvensional menggunakan vaselin. Hal tersebut disebabkan oleh kemampuan agen terapi meningkatkan kadar growth factor dan sifat stemcell yang ada pada SVF sangat berpengaruh terhadap proses Re-epitelisasi, selain itu jalur administrasi injeksi turut berpengaruh terhadap efektifitas terapi.
- Kadar FGF2 tertinggi didapatkan pada kelompok dengan jalur administrasi injeksi, memberikan pengaruh sebesar 90,3% atau sebesar 1.836x dibandingkan dengan jalur topikal yang memberikan pengaruh sebesar 76,6% (1.179x)
- Kadar EGF tertinggi didapatkan pada kelompok perlakuan dengan jalur administrasi injeksi yang memberikan pengaruh sebesar 99,8% atau sebesar 6.696x dibandingkan dengan pemberian secara topikal yang memberikan pengaruh sebesar 99,6% (5.314x).
- Proses reepitelisasi didapatkan ke 4 sample di kelompok perlakuan injeksi stemcell kombinasi prp + SVFs dan pada kelompok perlakuan topikal stemcell hanya 2 sampel yang berhasil sampai pada reepitelisasi namun pada sample perlakuan kontrol dengan vaselin tidak ada sampel yang berhasil mencapai proses Re-epitelisasi.
- Penelitian lebih lanjut, khususnya pada manusia dapat dilakukan agar dapat menjadi terapi pilihan yang dapat digunakan dalam praktik klinis sehari-hari.

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**Lampiran : Dokumentasi Penelitian**



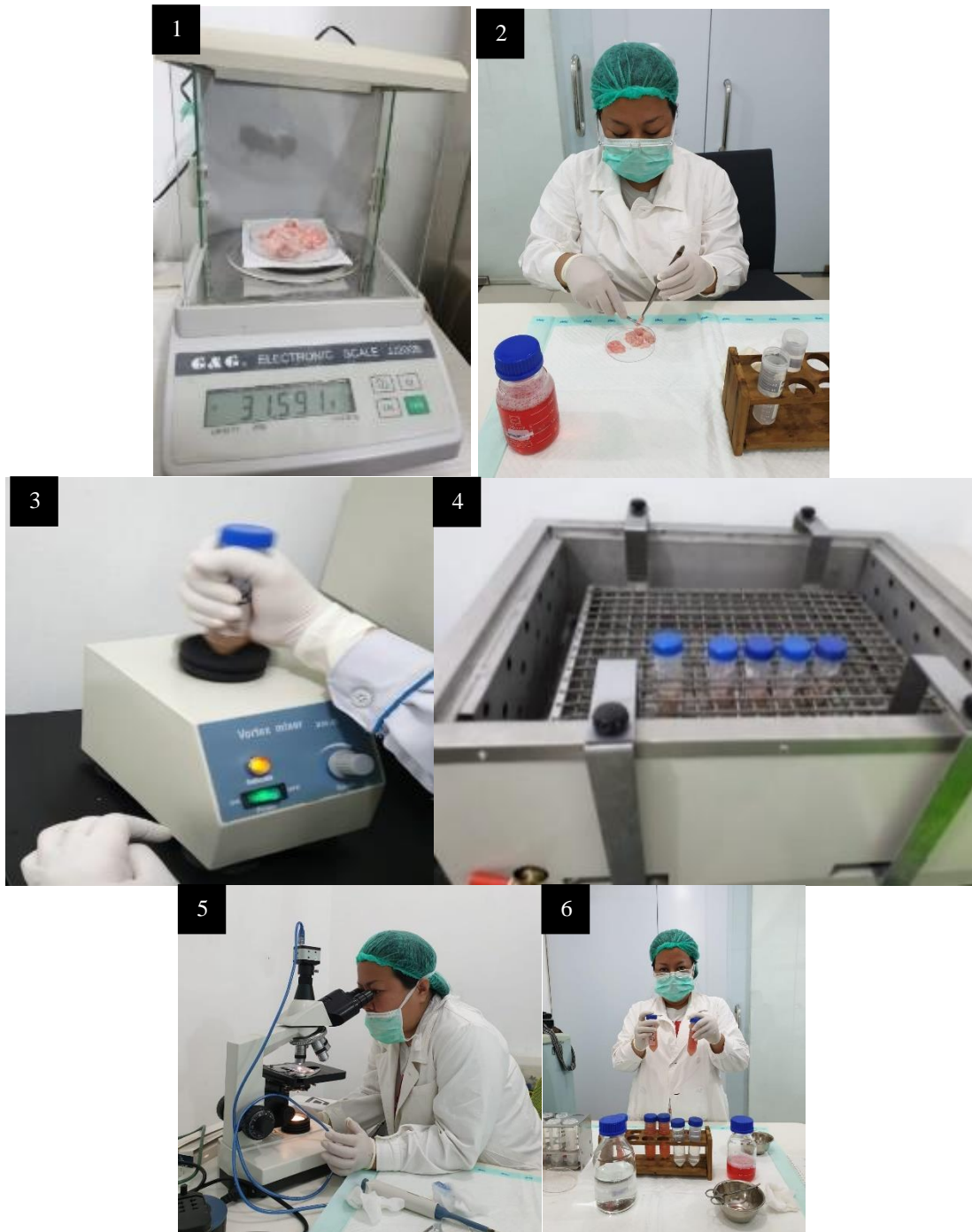
Sampel tikus Wistar



Menimbang BB tikus



Proses pengambilan Donor PRP dan SVFs  
(Insert: Gambar 1. Pembusuan dengan Eter fisiologis. 2. Pengambilan Donor PRP.  
3 dan 4. Pengambilan Donor SVFS)



### Proses preparasi Donor SVFs

(Insert: Gambar 1. Penimbangan Lemak Donor. 2. Pencacahan lemak Donor.  
 3. Penambahan cairan kolagenase 0.15% & Sentrifugasi. 4. Inkubasi.  
 5. Proses penghitungan Jumlah Stem cell 6. Hasil Stem cell)





Cara Pemodelan Luka Bakar  
(Tavacres Pereira et al., 2012; Guo et al., 2017).



Perlakuan Injeksi PRP dan SVFs.  
(Insert: Gambar 1. Pencukuran Bulu Wistar. 2. Injeksi Stem cell. -  
3. Lima lokasi injeksi Stem cell)



#### Bahan dan Proses Pemeriksaan EGF.

(Insert: Gambar 1. KIT FGF2. 2. Serum Hewan coba. 3. Well Elisa Kit. 4. Inkubasi 37° selama 90 menit. 5. Penambahan Wash buffer 1x sebanyak 3x & 100  $\mu$ L HRP conjugate. 6. Baca dan Ukur memakai alat microplate reader).

