

BAB VI. Tahapan pekerjaan selanjutnya

Pada tahun kedua selanjutnya akan dilakukan uji aktivitas antidiabetes dari sediaan nanoemulsi secara *in vivo* pada tikus. Selain itu juga akan dilakukan uji aktivitas antioksidan sediaan secara *in vivo* dan juga uji toksisitas akut, dalam upaya pengembangan sediaan menjadi sediaan herbal terstandar.

BAB VII. Kesimpulan

Dalam penelitian ini telah didapatkan formulasi sediaan nanoemulsi dengan kandungan ekstrak *A. paniculata* (sambiloto) dan *P. Niruri* (meniran) dengan menggunakan tween 80 sebagai surfaktan, gliserin sebagai ko-surfaktan, dan minyak zaitun sebagai fase minyak.. SNEDDS yang dihasilkan menunjukkan stabilitas yang cukup baik, dengan kadar fenol total adalah 18,6 mg/g, pH 5 dan kerapatan 0,985. Saat diencerkan dalam akuades, terbentuk nanoemulsi dengan ukuran partikel 156 nm dengan zeta potensial 29,8 mV. Validasi metode telah dilakukan dengan HPLC dengan standar andrografolid terhadap ekstrak dan sediaan nanoemulsi, dan hasilnya dapat digunakan lebih lanjut dalam standarisasi kadar zat aktif dalam sediaan.

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