

BAB 5 SIMPULAN

5.1. Kesimpulan

Pada persamaan polinomial film *buccoadhesive* terbutalin sulfat yang dihasilkan berdasarkan perhitungan dengan *factorial design* adalah gelatin dan gliserin menyebabkan peningkatan respon rata-rata dari, *adhesion time*, *swelling index* terbutalin sulfat, sedangkan gelatin dan gliserin menyebabkan penurunan respon rata-rata dari pelepasan terbutalin sulfat.

Hasil prediksi formula optimum berdasarkan program optimasi adalah gelatin 8% dan gliserin 6% menghasilkan *adhesion time* 1584,67 detik, *swelling index* 1,91, pelepasan 51,41 $\mu\text{g}/\text{cm}^2/\text{jam}$.

5.2. Alur Penelitian Selanjutnya

Berdasarkan evaluasi penelitian yang telah dilakukan, disarankan untuk penelitian selanjutnya digunakan penggunaan kombinasi polimer yang bersifat hidrofilik dan hidrofobik untuk evaluasi *adhesion time* dan lakukan optimasi agar diperoleh hasil yang optimum dari kombinasi polimer yang bersifat hidrofilik dan hidrofobik. Selain itu, untuk uji pH permukaan menggunakan larutan dapar fosfat isotonis pH 6,8 agar sesuai dengan pH *saliva*.

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