

BAB V

KESIMPULAN DAN SARAN

5.1. Kesimpulan

Peningkatan konsentrasi Polisorbat 80 pada sediaan gel antijerawat sari jeruk nipis memberikan pengaruh terhadap uji mutu fisik yaitu daya sebar, viskositas dan stabilitas terhadap viskositas. Formula 3 (0,75% Polisorbat 80) memiliki nilai daerah hambatan pertumbuhan paling tinggi sebesar $32,62 \pm 0,41$ mm, sedangkan pada formula 2 (0,5% Polisorbat 80) nilai daerah hambatan pertumbuhan sebesar $31,99 \pm 0,27$ mm dan pada formula 4 (1% Polisorbat 80) nilai daerah hambatan pertumbuhan sebesar $32,56 \pm 0,43$ mm.

5.2. Saran

Pada penelitian selanjutnya disarankan untuk melakukan perbaikan formulasi dengan menambahkan *alkalizing agent* seperti triethanolamine (TEA).

Rancangan perbaikan formula:

Sari jeruk nipis	20%
Polisorbat 80	0,75%
HPMC	3%
Propilenglikol	15%
TEA	2-4% (Rowe, Sheskey and Quinn, 2009)
Natrium benzoat	0,1%
Natrium metabisulfit	0,1%
Akuades	ad 100%

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