BAB V
KESIMPULAN DAN SARAN

5.1 Kesimpulan

Pada penelitian pembuatan masker gel *peel – off* buah tomat dengan PVA dan *bentonite green clay* sebagai *gelling agent*, serta madu sebagai humektan, dapat ditarik kesimpulan sebagai berikut:

1. Komposisi *bentonite* level rendah (6%-b/b) disertai dengan penambahan sari buah tomat menyebabkan penurunan viskositas dan peningkatan kadar vitamin C; serta jika disertai dengan penambahan PVA menyebabkan penurunan waktu pengeringan, peningkatan kadar vitamin C, dan penurunan kadar likopen.
2. Komposisi madu level rendah (5 %-b/b) disertai penambahan *bentonite* menyebabkan penurunan viskositas dan peningkatan kadar likopen; serta jika disertai dengan penambahan sari buah tomat akan menurunkan kadar vitamin C.
3. Komposisi PVA level rendah (9 %-b/b) disertai dengan penambahan sari buah tomat akan menyebabkan penurunan viskositas.
4. Formula optimum pada pembuatan masker gel *peel – off* buah tomat adalah kadar sari buah tomat 15% b/b, kadar PVA 10,56 %-b/b, kadar *bentonite green clay* 6,46 %-b/b, dan kadar madu 5,00 %-b/b.

5.2 Saran

Berdasarkan hasil penelitian yang diperoleh, saran yang dapat disusun untuk penelitian selanjutnya adalah:

1. Perlu adanya penambahan bahan pengawet seperti propilen glikol, metil paraben, dan lain – lain yang aman untuk kulit mengingat daya simpan produk hanya 1 hari.
2. Perlu adanya pengaturan pH larutan tetap pada rentang 5,9 – 6,9 bertujuan agar tidak mengiritasi kulit saat pengaplikasian.
3. Perlu diperhatikan rasio PVA – air dalam formulasi masker, jika terlalu besar rasio air dapat menyebabkan sineresis pada gel.
4. Perlu adanya masker gel *peel – off* komesial sebagai pembanding (tolok ukur) karakteristik masker.
5. Perlu dilakukan analisa tekstur menggunakan *texture analizer* dan analisa kadar air menggunakan *karl fischer* agar dapat mengukur kelayakan masker gel *peel – off*.

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