

BAB IX

KESIMPULAN DAN SARAN

IX.1. Kesimpulan

Dari hasil kerja praktek yang telah dilakukan di PT. Menara Jaya Lestari selama 2 bulan, dapat disimpulkan beberapa hal sebagai berikut:

1. PT. Menara Jaya Lestari merupakan perusahaan yang memproduksi obat nyamuk bakar dengan merk cap Kingkong Jumbo dan memiliki induk perusahaan di Tegal, Jawa Tengah;
2. Bahan baku yang digunakan adalah tepung onggok singkong, tepung batok, tepung kayu lengket, tepung jati, tepung tapioka, tepung dedek wangi, dan tepung putusan. Bahan kimia yang digunakan adalah KNO_3 , *malachite green*, *premix*, dan parfum;
3. Bahan baku yang digunakan berasal dari alam sehingga formulasi bahan baku akan selalu berubah, oleh karena itu formulasi dilakukan setiap minggu sebelum minggu produksi dilaksanakan;
4. Proses produksi obat nyamuk bakar dilakukan dengan beberapa tahapan antara lain: proses penerimaan bahan baku, pembuatan larutan KNO_3 , proses pembuatan masak onggok, proses pembuatan adonan obat nyamuk bakar, proses pencetakan adonan, *drying*, proses sortir, dan proses *packing*;
5. Utilitas yang digunakan oleh PT. Menara Jaya Lestari adalah unit penyediaan air, listrik dan bahan bakar;
6. Dari tugas khusus yang telah dikerjakan oleh penyusun, kesimpulan yang diperoleh antara lain:
 - a) Obat nyamuk bakar yang memiliki waktu *knockdown* dari yang paling cepat hingga paling lama, secara berurutan adalah: meperfluthrin 0,03% (waktu *knockdown* 3 menit 29 detik), d-allethrin 0,3% (waktu *knockdown* 4 menit 24 detik), dan esbiothrin 0,3% (waktu *knockdown* 4 menit 36 detik);
 - b) Pengukuran viskositas tepung onggok singkong yang memiliki kisaran dari 109.800 cP hingga 178.400 cP mengindikasikan bahwa persyaratan viskositas sudah memenuhi standar perusahaan yaitu berkisar dari 106.000 cP hingga 200.000 cP.

IX.2. Saran

Setelah melaksanakan kerja praktek di PT. Menara Jaya Lestari selama 2 bulan, ada dua hal yang bisa disarankan yaitu:

1. Air tanah yang digunakan untuk produksi lebih baik dilakukan *pretreatment* terlebih dahulu untuk mengurangi pembentukan *scalling* (kerak) di dalam mesin sehingga mesin tidak cepat rusak;
2. Para pekerja yang bertugas di gudang pengayakan dan penimbangan tepung onggok singkong hendaknya menggunakan masker yang lebih berkualitas untuk menghindari agar tepung tidak terhirup ke dalam sistem pernapasan.

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