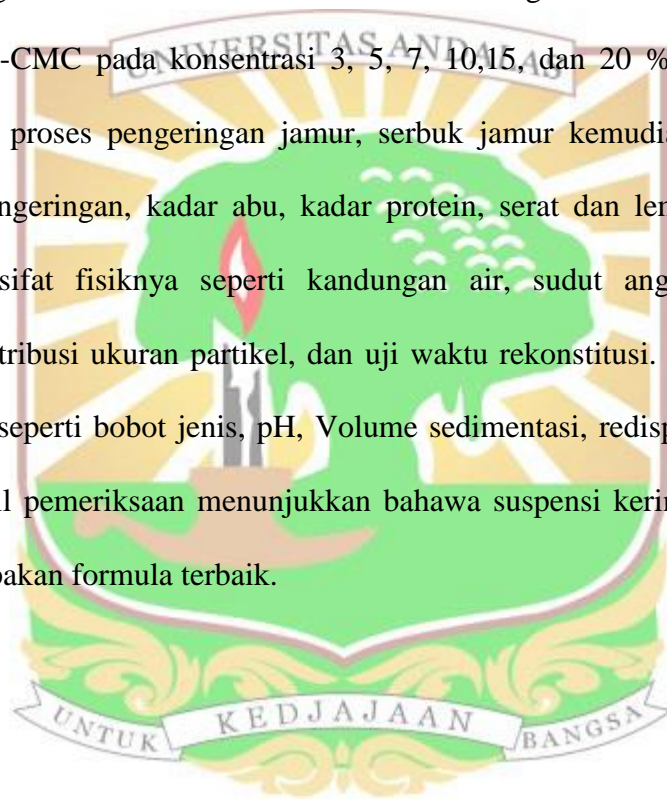


# FORMULASI SUSU JAMUR TIRAM PUTIH (*Pleurotus ostreatus*) DENGAN PENSUSPENSI NATRIUM ALGINAT DAN NATRIUM KARBOKSIMETIL SELULOSA

## ABSTRAK

Telah dilakukan penelitian tentang formulasi suspensi kering dari serbuk jamur tiram dengan pensuspensi Na-Alginat dan Na-CMC. Formula dibuat dengan memvariasikan pensuspensi Na-Alginat dan Na-CMC pada konsentrasi 3, 5, 7, 10,15, dan 20 %. Sebelum diformula dilakukan optimasi proses pengeringan jamur, serbuk jamur kemudian dievaluasi dengan parameter susut pengeringan, kadar abu, kadar protein, serat dan lemak. Granul suspensi kering dievaluasi sifat fisiknya seperti kandungan air, sudut angkat, faktor housner, kompresibilitas, distribusi ukuran partikel, dan uji waktu rekonstitusi. Setelah direkonstitusi dilakukan evaluasi seperti bobot jenis, pH, Volume sedimentasi, redispersibilitas, viskositas dan sifat alir. Hasil pemeriksaan menunjukkan bahawa suspensi kering yang mengandung 7% Na-CMC merupakan formula terbaik.



## ABSTRAC

Formulation of oyster-mushroom-powder dry suspension by using Na-Alginate and Na-CMC have been investigated. The formula was conducted at various Na-Alginate and Na-CMC concentration from 3, 5,7,10, 15, to 20 %. The oyster-mushroom was optimized by based parameters such lost on drying, ash content, nutrients content for protein,fiber and fat. The dried suspensions use objected to evaluation such wats content, contact angle, housner-factor compressibility, particle size distribution, and time trials reconstruction. After being reconstructed, characterizations were also done such as, specific weight, pH, sedimentation volume, re-disperssibility, viscosity and flow properties. Results showed that the dry-suspension of 7% Na-CMC was the best formula.

