

BAB V

KESIMPULAN DAN SARAN

A. Kesimpulan

1. Pati Beras Ketan Hitam (PBKH) yang dihasilkan pada penelitian ini memiliki karakteristik sebagai berikut:
 - a. Karakteristik fisik: berbentuk serbuk halus kecokelatan, tidak berasa, beraroma khas PBKH. partikel PBKH berbentuk poligonal, serbuk PBKH terklasifikasikan dalam serbuk setengah kasar, memiliki sifat higroskopis yang rendah, dan memiliki susut pengeringan yang rendah juga yakni sebesar 1,19%.
 - b. Karakterisasi kimia: sampel yang dihasilkan positif mengandung pati dan PBKH memiliki pH sebesar 6.5.
 - c. Karakteristik fungsional: memiliki viskositas sebesar 4283 Cp, memiliki sifat alir yang buruk, memiliki daya mengembang sebesar 73% pada media HCL pH 1,2, 60% pada media fosfat buffer pH 6,8, dan 33% pada media akuades.
 - d. PBKH memiliki durasi adhesi pada membran mukosa usus selama 7,4 menit.
2. Kemampuan mukoadhesif PBKH perlu ditinjau kembali.

B. Saran

1. Perlu dilakukan uji kuantitatif kandungan amilopektin PBKH.
2. Perlu dilakukan kembali evaluasi sifat mukoadhesif PBKH dengan preparasi membran mukosa usus yang tepat



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