



BAB 5

KESIMPULAN DAN SARAN

KESIMPULAN

1. Superabsorben dengan rasio monomer asam akrilat : akrilamida (AA : AAm) sebesar 1:1 memiliki nilai *equilibrium swelling* (ES) yang lebih tinggi dibandingkan dengan superabsorben dengan rasio monomer sebesar 1:0 ataupun 0:1.
2. Pada superabsorben dengan rasio monomer AA:AAm 1:0 dan 1:1, superabsorben dengan *crosslinker* CaCl_2 cenderung memiliki nilai *equilibrium swelling* (ES) yang lebih besar dibandingkan dengan superabsorben dengan *crosslinker* metilenbisakrilamida (MBA).
3. Keberadaan komposit cenderung menurunkan nilai *equilibrium swelling* (ES) dari superabsorben.
4. Pada superabsorben dengan rasio monomer asam akrilat : akrilamida sebesar 1:0 dan 1:1, semakin besar pH medium penyerapan, nilai *equilibrium swelling* (ES) superabsorben semakin besar pula.

SARAN

1. Dilakukan penelitian dengan variasi κ -karaginan dan Na-alginat agar efek dari rasio Na-alginat dan κ -karaginan dapat diketahui.
2. Melakukan analisa *scanning electron microscopy* (SEM) supaya morfologi struktur dari produk superabsorben dapat diketahui.
3. Perlunya *maintenance / upgrade* reaktor terutama pada *heater* dan termometer.



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