

BAB V

KESIMPULAN

5.1 Kesimpulan

Kesimpulan yang didapat dari hasil penelitian ini adalah:

1. Perolehan asam levulinat berbanding lurus dengan penambahan konsentrasi asam, waktu reaksi, dan temperatur reaksi
2. Perolehan furfural berbanding lurus dengan penambahan konsentrasi asam, waktu reaksi, dan temperatur reaksi hingga mencapai titik optimum
3. Kondisi optimum untuk mendapatkan asam levulinat maksimum yaitu 170 °C, 60 menit, dan konsentrasi asam 1 M
4. Kondisi optimum untuk mendapatkan furfural maksimum yaitu 150 °C, 30 menit, dan konsentrasi asam 0,5 M

5.2 Saran

Saran yang bisa diberikan pada penelitian lebih lanjut adalah sebagai berikut:

1. Perlu adanya penambahan variasi percobaan untuk mencapai titik optimum sesungguhnya
2. Perlu adanya Analisa awal terhadap kandungan biomassa di dalam TKKS
3. Perlu dibuat modeling untuk kinetika laju reaksi
4. Perlu adanya tambahan jenis kurva standar

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