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2.5 Kesimpulan

Berdasarkan hasil karakterisasi, dapat disimpulkan bahwa material KBM berhasil disintesis. Hasil karakterisasi menunjukkan struktur kristalin dengan keberadaan gugus fungsi seperti Fe–O, C–O, COO–, dan –OH. Material ini termasuk dalam kategori mesopori, dengan luas permukaan spesifik sebesar 12,33 m²/g dan diameter pori rata-rata sebesar 20,62 nm. Selain itu, sifat magnetiknya dikonfirmasi sebagai ferimagnetik dengan nilai magnetisasi jenuh (Ms) sebesar 14,50 emu/g.

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