

BAB V

KESIMPULAN



5.1 Kesimpulan

1. Kondisi optimum untuk adsorpsi logam berat Pb^{2+} adalah pada pH 3 (pH asli larutan). Kapasitas adsorpsi kedua adsorben menurun seiring dengan naiknya pH.
2. Model isoterm Dubinin-Radushkevich merupakan model isotermal adsorpsi yang paling tepat digunakan untuk adsorben komposit karbon nano dengan kapasitas adsorpsi 23,385 mg/g.
3. *%Removal* meningkat seiring bertambahnya massa adsorben komposit karbon nano.
4. Pengaruh temperatur terhadap proses adsorpsi tidak memberikan perubahan yang berarti terhadap *%removal*.
5. Model kinetika adsorpsi yang paling sesuai adalah model kinetika adsorpsi pseudo orde dua.

5.2 Saran

1. Analisa karakteristik adsorben komposit karbon nano dilakukan beberapa sampel untuk mendapatkan hasil tidak pada satu titik saja.

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