

## DAFTAR PUSTAKA

- Akbar, F., 1996, "Sintesis dan Karakterisasi Zeolit 4A dari Bahan Dasar Abu Layang", Tesis, Universitas Gadja Mada, Yogyakarta.
- Austin, G. T., 1984, "Shreve's Chemical Process Industries", 5<sup>th</sup> ed., McGraw-Hill Book Company, New York.
- Burzio, F., dan Pasetti, A., 1983, "Industrial interest in the utilization of zeolites in Detergents", Riv. Ital. Sostanze Grasse, 60, 7.
- Cheetan, A. K., dan Day, P., 1992, "Solid State Chemistry Compounds", Clarendon Press Oxford university, New York.
- Costa, E., de Lucas, A., Zarca, J. dan sanz, F. J., 1987, "Ion exchange Equilibrium between 4A Type Zeolite and Ca<sup>2+</sup> and Mg<sup>2+</sup> ions" Rev. Latinoam., Ing. Quim. Apl., 17, 135 – 148.
- Costa, E., de Lucas, A., Uguina, M. A., dan Ruiz, J. C., 1988, "Systesis of 4A zeolite from Calcined Kaolins for use in Detergent", Ind. Eng. Chem. Res, 27, 1291 – 1296.
- de Lucas, A., Uguina, M. A., Covian, I., dan Rodrigues, L., 1992, "Synthesis of 13 X Zeolite from Calcined Kaolins and Sodium Silicate for use in Detergents", Ind. Eng. Chem. Res., 31, 2134 –2140.
- Flanigen, E.M., Khatami, H., dan Szimanski, H.A., 1971, "Infrared Structure Studies of Zeolite Framework, Molecular Sieve Zeolit-I", American Society Advances in Chemistry Series No. 101, Washington D>C., 201-229.
- Hamdan, H., 1992, "Introduction to Zeolite: Syntesis, Characterisazation and modification", University Teknology Malaysia.
- Hsin C.Hu dan Ting Y.Lee, 1990, "Synthesis Kinetics of Zeolit A", Ind. Eng. Chem. Res., 29, 749-754.
- Kurzendofer, C. P., Liphrd, M., von Rybinski, W., dan Schwerger, M., 1987, "J.Sodium-Aluminium Silicates in the washing process. Part IX: Mode of Action of Zeolite A additive System", Calloid Polym-Sci, 265, 542-7.
- Murat, M., Anokrane, A., Bastide, J. P., and Montanaro, L., 1992, "Symtesis of Zeolite from Thermally Activated kaolinite. Some Observations on Nucleation and Growth", Clay Mineral, 27, 119 – 130.
- Ribeiro, R. F., Ridrigues, A. E., Rollman, L. D., dan Naccache, C., 1984, "Zeolites : Science and Tehnology", Martinus Nijhoff Publishers, Netherland, 3 –12.

Schwuger, M. J., and Liphard, M., 1989, " Sodium-Aluminium-Silicates in the washing process, Part X: Cobuilders and optical brighteners ", Colloid Polym. Sci., 267, 336 – 44.

Sukandaumidi, 1999, " Bahan Galian Industri ", Gajah Mada University Press, Yogyakarta, 185 –186.