Prarancangan Pabrik Industrial Grade Silica dari Sekam Padi dengan Kapasitas 20.000 ton/tahun
SABINA KENCANA ARIMANINTAN, Ahmad Tawfiequrrahman Yuliansyah, S.T., M.T., D.Eng.
Universitas Gadjah Mada, 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

An D., Guo Y., Zou Bo, Zhu Y., Wang Z., 2011, *A Study on the Consecutive Preparation of Silica Powders and Active Carbon from Rice Husk Ash*, Biomass and Bioenergy 35, 1227-1234.

Anonim, 2014, http://bps.go.id, *Jumlah Produksi Padi di Indonesia.*

Anonim, 2014, http://jatim.bps.go.id, *Luas Lahan Sawah di Jawa Timur.*

Anonim, 2014, http://vsi.esdm.go.id, *Peta Rawan Bencana Jawa Timur.*

Aries, R.H., and Newton, R.D., 1955, *Chemical Engineering Cost Estimation*, McGraw-Hill Book Company, New York.

Brown, G.G., Katz, D., Froust, A.S., and Schneidewind, R., 1950, *Unit Operations*, John Wiley and Sons, Tokyo.

Brownell, E.E., and Young, E.H., 1959, *Process Equipment Design*, Wiley Eastern, Ltd., New Delhi.

Brown, G.G., Katz, D., Froust, A.S., and Schneidewind, R., 1950, *Unit Operations*, John Wiley and Sons, Tokyo.

Brownell, E.E., and Young, E.H., 1959, *Process Equipment Design*, Wiley Eastern, Ltd., New Delhi.

Chandrasekar, S., Satyanarayana, K. G., Pramada, P.N., and Gupt, T.N., 2003, *Review Processing, Properties and Applications of Reactive Silica from Rice Husk – an Overview*, Journal of Materials Science 38, 3159-3168.

Coulson, J.M., and Richardson, J.F., 1983, *Chemical Engineering*, Vol. 6, Pergamon Press, England.

Fogler, H.S., 1999, *Elements of Chemical Reaction Engineering*, 3rd ed., Prentice-Hall, Inc., New Delhi.

Daifullah, A.A.M., Girgis, B.S. & Gad, H.M.H. 2003. Utilization of Agro-Residues (Rice Husk) in Small Waste Water Treatment Plans. Material Letters, 57:1723-1731.

Hamdan, H., Nazlan, M., Muhid, M., Endud, S., Listiorini, E. & Ramli, Z. 1997. Si MAS NMR, XRD and FESEM Studies of Rice Husk Silica for the Synthesis of Zeolites. Journal of Non-Crystalline Solids, 211:126-131.

Universitas Gadjah Mada | 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

Hara, 1986, "Utilization of Agrowaste for Building Material", International Research and Development Cooperation Division, AIST, MITI, Japan

Harsono, H. 2002. Pembuatan Silika Amorf dari Limbah Sekam Padi. Jurnal Ilmu Dasar FMIPA Universitas Jember Jawa Timur, 3(2):98-102.

Herlina F, Silvia. *Kajian Pemanfaatan Abu Sekam Padi untuk Stabilitasi Tanah dalam Sistem Pondasi di Tanah Ekspansi.*

Kalapathy, U., Proctor, A. & Schultz, J. 2000. A Simple Method for Production of Pure Silica from Rice Hull Ash. Bioresource Technology, 73:257-260.

Kalapathy, U., Proctor, A., and Shultz, J., 2002, *An Improved Method for Production of Pure Silica from Rice Hull Ash*, Bioresource Technology 85, 285-289.

Kern., D.Q., 1950, *Process Heat Transfer*, McGraw Hill Kogakusha, Ltd., Tokyo.

Kirk – Othmer Encyclopedia of Chemical Technology, 4th ed., Ch. 21, John Wiley and Sons, Inc., New York.

Kirk and Othmer, 1982, "Kirk-Othmer Encyclopedia of Chemical Technology", Vol. 1, John Wiley and Sons, Inc., Canada.

Krishnarao R. V., Subrahmanyam J., Kumar, T. J., 2000, "Studies on the Formation of Black in Rice Husk Silica Ash", J. Ceramic Society, 21 , 99 – 104.

Laksmono, J.A. 2002. Pemanfaatan Abu Sekam Padi sebagai Bahan Baku Silika. Seminar Tantangan Penelitian Kimia dalam Era Globalisasi dan Era Super Informasi. Gd. Widya Graha-LIPI. Jakarta, 17 September 2002.

Perry, R.H., Green, D.W., and Maloney, J.O., 1997, *Perry's Chemical Engineers' Handbook*, 7th ed., The Mc Graw-Hill Companies, Inc., New York.

Peters, M.S., Timmerhaus, K.D., and West, R.E., 2003, *Plant Design and Economics for Chemical Engineers*, 5th ed., Mc Graw-Hill, New York.

Rase, H.F., and Barrow, M.H., 1957, *Project Engineering of Process Plants*, John Wiley and Sons, New York.

Rase, H.F.,1977, *Chemical Reaktor Design for Process Plant*, Vol. 1-2, John Wiley and Sons, New York.

Universitas Gadjah Mada | 2015 | Diunduh dari http://etd.repository.ugm.ac.id/

Rohaeti, E.1989. Identifikasi Hasil Reduksi SiO2 dari Abu Sekam dalam Usaha Memperoleh Silikonnya. Skripsi tidak diterbitkan. Fakultas Matematika dan Ilmu Pengetahuan Alam ITB. Bandung.

Singh, S.K., Mohanty, B.C. & Basu, S. 2002. Synthesis of SiC from Rice Husk in a Plasma Reactor. Bulletin Material Science, 25:561-563.

The Babcock & Wilcox Company, 1955, *Steam: Its Generation and Use*, Ch.16, New York.

Ulrich, G.D., 1984, *A Guide to Chemical Engineering Process Design and Economics*, John Wiley and Sons, New York.

Wallas, S. M., 1990, *Chemical Process Equipment*, Butterworth – Heinemann, Boston.

Yaws, C. L., 1999, *Chemical Properties Handbook*, Mc Graw-Hill, New York.

www.alibaba.com

www.che.com

www.matche.com

www.mhhe.com/engcs/chemical/peters/data