

DAFTAR PUSTAKA

- Al-Deffeeri, N. S. 2006. Heat Transfer Measurement as a Criterion For Performance Evaluation of Scale Inhibition in MSF Plants in Kuwait. *Desalination*. Vol. 204. pp. 423-436.
- Amjad, Z. 1995. Kinetics of crystal growth of calcium sulfate dihydrate, The influence of polymer composition, molecular weight, and solution pH. *Can. J. Chem.* Vol. 66.
- Asmarani, D. 2011. Pengaruh Penambahan Senyawa Turunan Kaliksarena dan Ekstrak Gambir Sebagai Inhibitor Kerak Kalsium Sulfat (CaSO₄). (*Skripsi Tidak Diterbitkan*). Jurusan Kimia FMIPA Universitas Lampung. Lampung.
- Asnawati. 2001. Pengaruh Temperatur Terhadap Reaksi Fosfonat dalam Inhibitor Kerak pada Sumur Minyak. *Jurnal ILMU DASAR*. Vol.2. No.1:20.
- Badr, A. and A. A. M. Yassin. 2007. Barium Sulfate Scale Formation in Oil Reservoir During Water Injection at High-Barium Formation Water. *Journal of Applied Sciences*. 7 (17) ; 2393-2403.
- Bhatia, A. 2003. *Cooling Water Problems and Solutions*, Continuing Education and Development, Inc. 9 Greyridge Farm Court Stony Point, NY 10980. Course no: M05-009.
- Cotton, F. A dan G. Wilkinson. 1989. Kimia Anorganik Dasar. UI-Press. Jakarta.
- Dewi, D.F. dan M. Ali . 2003. Penyisihan Fosfat dengan Proses Kristalisasi dalam Reaktor Terfluidasi Menggunakan Media Pasir Silika. *Jurnal Purifikasi*. Vol.4. No.4. 151-156.

- Donachy, J. E. and C. S. Sikes. 1994. Thermal Polycondensation Synthesis of Biomimetic Serine-Containing Derivatives Polyaspartate: Potent Inhibitors of Calcium Carbonate Phosphate Crystallisation. *J. Polymer Science*. Vol. 32. pp. 789-795.
- Engleson, J. 2008. Scale Inhibitors. *Avista Technologies, Inc.* 133 North Pacific Street, San Marcos.
- Fine, A.M. 2000. *Oligomeric Proanthocyanidin Complexes: History, Structure, and phytopharmaceutical Applications*, *Altern Med Rev*,5(2):144-151.
- Gabriel, Bl. 1985. *SEM : A User's Manual for Material Science*. American Society for Metal.
- Gill, J. S. 1999. A Novel Inhibitor For Scale Control in Water Desalination. *Desalination*. Vol. 124. pp. 43-50.
- Hagerman, A.E. 2002. *Condensed Tannin Structural Chemistry*. Department of Chemistry and Biochemistry, Miami University, Oxford, Ohio 45056.
- Halimatuddahlia. 2003. Pencegahan Korosi dan Scale Pada Proses Produksi Minyak Bumi. *Laporan Penelitian Universitas Sumatera Utara*. Medan.
- Handayani, A., Sumaryo and A. Sitompul. 1996. Teknik Pengamatan Strukturmikro dengan SEM-EDAX. *Makalah Kunjungan dan Demo PTBIN BATAN*. Serpong.
- Hasson, D. and R. Semiat. 2005. Scale Control in Saline and Wastewater Desalination. *Israel Journal of Chemistry*. Vol. 46. pp. 97-104.
- He, S., A. T. Kan and M. B. Tomson. 1999. Inhibition of Calcium Carbonate Precipitation in NaCl Brines From 25 to 90°C. *Applied Geochemistry*. Vol. 14. pp. 17-25.

- Jones, F., M. Mocerino, M. Ogden, A. Oliveria and G. Parkinson. 2005. *Bio-inspired Calix[4]Arene Additives for Crystal Growth Modification of Inorganic Materials. Crystal Growth and Design*. 5: 2336-2343.
- Kemmer, F. N. 1979. *The Nalco Water Hand Book*. Nalco Chemical Co. McGraw Hill Book CO. New York, 20. pp. 1-19.
- Lestari, D. E., G. R. Sunaryo, Y. E. Yulianto, S. Alibasyah dan S. B. Utomo. 2004. *Kimia Air Reaktor Riset G.A.Siwabessy. Makalah Penelitian P2TRR dan P2TKN BATAN*. Serpong.
- Lestari, D.E. 2008. *Kimia Air, Pelatihan Operator dan Supervisor Reaktor Riset*. Pusat Pendidikan dan Pelatihan BATAN. Serpong.
- Maley, M. 1999. *Inhibition of Calcite Nucleation and Growth Using Phosphonate*. Curtin University of Technology Western Australia. Australia.
- Manoli, F., J. Kanakis, P. Malkaj and E. Dalas. 2003. The Effect of Aminoacids on The Crystal Growth of Calsium Carbonate. *Journal of Crystal Growth*. Vol. 53. pp. 105-111.
- Miksic, B. A., A. Y. Furman dan M. A. Kharshan. 2005. *Biodegradable and Renewable Raw Materials in a New Generation of Water-Treatment Products*. Cortec Corporation. Saint Paul.
- Nonaka, G. 1989. *Isolation and structure elucidation of tannins*. *Pure & Appl, Chem*. 61 (3): 357-360.
- Nunn, R.G. 1997. *Water Treatment Essentials far Boiler Plant Operation*. McGraw Hill. New York. Capillary Zone Electrophoresis. *Elsevier B.V. Journal of Chromatography A*, 934. 113-122.
- Patton, C. 1981. *Oilfield Water System. 2 ed. Cambeel Petroleum Series*. Oklahoma. pp. 49-79.

- Salimin, Z., dan Gunandjar. 2007. Penggunaan EDTA sebagai Pencegah Timbulnya Kerak pada Evaporasi Limbah Radioaktif Cair. *Prosiding PPI – PDIPTN*. Pustek Akselerator dan Proses Bahan – BATAN. Yogyakarta.
- Sikiric, M.D. dan H. F. Milhofer. 2007. *Advances in Colloid and Interface Science*. 128-130(2006). Hal 135-158.
- Sugianto, R. 2010. <http://ridwansugianto.blogspot.com/2010/02/jambe.html>. Diakses tanggal 26 maret 2014.
- Suharso, Buhani, S. Bachri and T. Endaryanto. 2010. The Use of Gambier Extracts from West Sumatra as a Green Inhibitor of Calcium Sulfate (CaSO₄) Scale Formation. *Asian J. Research Chem*. Vol. 3(1). pp. 183-187.
- Suryadi, E. 1984. *Penelitian Pembuuatan Tepung Pinang dan Sifat – Sifat Fisika Kimianya*. Balai Penelitian dan Pengembangan Industri. Banda Aceh
- Svehla, G. 1990. *Buku Teks Analisis Anorganik Kualitatif Makro dan Semimikro*. Alih Bahasa Oleh L. Setiono dan A. H pudjaatmaka. PT. Kalman Media Pustaka. Jakarta.
- Tzotzi, C., T. Pahiadaki, S. G. Yiantsios, A. J. Karabelas, N. Andritsos. 2007. *A study of CaCO₃ scale formation and inhibition in RO and NF membrane Processes, desalination*, vol 296, pp;171-184.
- Wang, C.K. and W. H. Lee. 1996. *Separation, Characteristics, and Biological Activities of Phenolics in Areca Fruit*, *J. Agric. Food Chem.*, 44(8):2014 -2019.
- Webb, P. A., 2002. *Interpretation of Particle Size Reported by Different Analytical Technique* Diakses melalui www.micromeritics.com pada tanggal 5 Maret 2009 Pukul 14.00 WIB.
- Weijnen, M. P. C., W. G. J. Marchee, and Rosmalen G. M. V. 1983. A Quantification of The Effectiveness of an Inhibitor on The Growth Process of a Scalant. *Desalination*. Vol. 47. pp. 81-92.

Zeihner, E.H.K., H. Bosco, and K. D. Williams. 2003. Novel Antiscalant Dosing Control. *Desalination* 157: 209-216.

Zhang, Y and R. A. Dawe. 2000. Influence of Mg^{2+} on The Kinetics of Calcite Precipitation and Calcite Crystal Morphology. *Chemical Geology*. Vol. 163. pp. 129-138.

Zhang, K., M. Sun, P. Werner, A. J. Kovera, J. Albu, F. X. Pi-Sunyer, and C. N. Boozer. 2002. *Sleeping metabolic rate in relation to body mass index and body composition*. *Int J Obes Relat Metab Disord* 26: 376-383.