

## DAFTAR PUSTAKA

- Ahn, J. H. Robertson, B. M., Elliott, R., Guttgeridge, R. C., Ford, C. W. 1989. Quality assessment of tropical browse legumes: tannin content and protein degradation. *Anim. Feed Sci. Technol.*, 27 (1-2): 147-156
- Al-Kdasi, A., Idris, A., Saed, K. dan Guan, C.T. 2004. Treatment of textile wastewater by advanced oxidation processes. *Global Nest the Int.*
- Alaerts, S., Santika., & Srissumesti. 1987, Metode Penelitian Air Usaha Nasional. Surabaya
- Amirtharajah,A., & C.R. O'Melia. 1990. *Coagulation Processes: Destabilisation, Mixing and Flocculation. In : Water Quality ang Treatment (a Handbook of Community Water Supplies)*. 4<sup>th</sup> ed. New York : Mc Graw Hill.Inc.
- Anderson, D.M.W. 1989. *Sesbania* species as sources of gum exudates and seed galactomannan gums. In Macklin B, Evans DO, editors. *Perennial J species in agroforestry systems*. Proceedings of an International Workshop at ICRAF. Nairobi, Kenya, NFTA Special Publication 90-01. p99-194.
- Anonim. 2012. Wahana Wisata Batik Komar. [online] tersedia [http ://.amazing bandung.com/2012/01/22/wahana-wisata-batik-komar/html](http://amazingbandung.com/2012/01/22/wahana-wisata-batik-komar/html). [24 Juli 2013].
- Anonim. 2013. Penyisihan Kesadahan Dengan Metode Penukar Ion. Laboratorium Operasi Teknik Kimia – FT UNTIRTA. Hal 1-7.
- APHA,AWWA,WEF. 1985. Standard Methods for the Examination of Water and Wastewater.Washington:American Public Health Association.
- Aryani, M. 2006. Efektivitas Biokoagulan Kacang Babi *Vicia Vaba* Dalam Memperbaiki sifat Fisik dan Kimiawi Limbah Cair Industri pulp dan Kertas. Skripsi Sarjana. Jurusan pendidikan Biologi. Universitas pendidikan Indonesia.
- Badan Standarisasi Nasional. 2004. SNI 06-6989.14-2004. *Cara Uji Oksigen Terlarut Secara Iodometri*. Direktorat Pengembangan Labor Rujukan dan Pengelolaan data.
- Bai, G., and R.P. Devadas. 1973. Ability of two rice diets to support reproductive and lactation perform ance in rats. *Indian Journal of Nutrition and Dietetics* 10:275-281.
- Bai, G., and R.P. Devadas. 1974. Nitrogen balance in college women on indigenous diets. *Indian Journal of Nutrition*

Friska Dwi Nur Styani, 2013

Efektivitas Biji Jayanti (Sesbania Sesban) Sebagai Biokoagulan Dalam Memperbaiki Sifat Fisik Dan Kimiawi Limbah Cair Industri Batik

Universitas Pendidikan Indonesia | [repository.upi.edu](http://repository.upi.edu) | [perpustakaan.upi.edu](http://perpustakaan.upi.edu)

- Benton and Werner, 1976, *Field Biology and Ecology*, Edisi ke 3, Tata McGraw Hill Publ., New Delhi.
- Burkill, I.H. 1935. *Dictionary of the economic products of the Malay Peninsula*. Governments of Straits Settlements and Federated Malay States, London.
- Canter, L.W. 1977. *Environmental Impact Assessment*. New York: Mc. Graw Hill.
- Catanho, M. 2006. *Avaliacao Dos Tratamentos Eletroquimico E Fotoeletroquimico Na Degradacao De Corantes Texteis, Quim.Nova*, Vol.29, No.5
- Char, W.P. 1983. *A revision of the Hawaiian species of Sesbania (Leguminosae)*. Unpublished MS Thesis, University of Hawaii.
- Cheremisinoff, N.P. Ph.D. 2002. *Handbook Of Water and Wastewater Treatment Technologies* , Butterworth-Heinemann, USA, PP. 42-45, 255-260, 455-462.
- Cohen, J.M. & S.A. Hannah. 1971. *Coagulation and Flucculation*. In : *Water Quality and Treatment (a Handbook of Community Water Supplies)*. 4<sup>th</sup> ed, New York : Mc Graw Hill.Inc.
- Culp,R.L., dan Culp,G.L. 1986. *Hand Book of Public Water System*, Mc Graw-Hill,New York.
- Dae-Hee A., Won-Seok C. dan Tai-Il Y. 1999. *Dyestuff wastewater treatment using chemical oxidation, physical adsorption and fixed bed biofilm process, Process Biochemistry* 34: 429–439.
- Davis, M.L. and D.A. Cornwell. 1991. *Introduction to Environmental Engineering*. 2nd ed. McGraw-Hill, Inc. New York.
- Devadata, S.C., and T.C. Appanna. 1954. *Availability of Calcium in some of the leafy vegetables*. *Proceedings of the Indian Academy of science* 39B:236-242.
- Djomena, N. 1990. *Ungkapan Sehelai Batik*. Jakarta: Jambatan
- Eckenfelder Jr., W. Wesley. 1989. “*Industrial Water Pollution Control*”. 2<sup>nd</sup> edition, McGraw Hill. USA.
- Effendi, H. 2000. *Telaah Kualitas Air Bagi Pengelolaan Sumber daya Lingkungan Perairan*. Jurusan Manajemen Sumber daya Perairan. Bogor: Fakultas Perikanan dan Ilmu Kelautan, Institut Pertanian Bogor.
- Effendi, H. 2003. *Telaah Kualitas Air*. Yogyakarta: Penerbit Kanisius.

Friska Dwi Nur Styani, 2013

Efektivitas Biji Jayanti (Sesbania Sesban) Sebagai Biokoagulan Dalam Memperbaiki Sifat Fisik Dan Kimiawi Limbah Cair Industri Batik

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

- Evans, D.O. 1983. *Sesbania* flowering observations. Nitrogen fixing Tree Research Reports 1:42.
- Evans, D.O., R.S. Yost, and G.W. Lundeen. 1983. A selected and annotated bibliography of tropical green manures and legume covers. Hawaii Institute of Tropical Agriculture and Human Resources Research and Extension Series 028. 211p.
- Farooq, S and S.G. Velioglu. 1989. *Physico-Chemical Treatment of Domestic Wastewater*. Dalam P.N. Cheremisinoff (Editor). Encyclopedia of Environmental Control Technology. Vol. 3: Wastewater Treatment Technology. Gulf Publishing Company Book Division. Houston.
- Gillett, J.B. 1963. *Sesbania* in Africa (excluding Madagascar) and southern Arabia. Kew Bulletin 17:91-159.
- Gomez, K.A. & Gomez, A.A. 1995. *Prosedur Statistik Untuk penelitian Pertanian* (Edisi Kedua). Jakarta: Penerbit Universitas Indonesia
- Gozan, Misri dan Diyan Supramono. 2006. Pengolahan Air untuk Utilitas Pabrik. Departemen Teknik Kimia FTUI: Depok.
- Hadiana, T. 2003. *Ipomea batatas* Sebagai Flokulan Alternatif dalam Proses Pengolahan Limbah Cair Industri Tekstil PT HMI. Skripsi Sarjana Jurusan Pendidikan Kimia. Universitas Pendidikan Indonesia. Bandung
- Hammer, M.J. 1986. *Water and Wastewater Technology*. Prentice-Hall Int. Inc., New Jersey.
- Hamzuri. 1989. *Batik Klasik*. Jakarta: Jambatan.
- Hidayat, S. 1999. Efektivitas Bioflokulan Biji *Moringa oleifera* dalam Proses Pengolahan Limbah Cair Industri Pulp dan Kertas. Tesis Magister Departemen Biologi. Institut Teknologi Bandung.
- Heering, J. H. ; Gutteridge, R. C. 1992. *Sesbania sesban* (L.) Merrill. Record from Proseabase. Manetteje, L.'t and Jones, R.M. (Editors). PROSEA (Plant Resources of South-East Asia) Foundation, Bogor, Indonesia
- Hindarko, S. 2003. Mengolah Air Limbah Supaya Tidak Mencemari Orang Lain, Jakarta : Penerbit Esha
- Jenie, B. S. L. dan W. P. Rahayu. 1993. Penanganan limbah Industri Pangan Kerjasama PAU Pangan dan Gizi IPB Kanisius, Yogyakarta.
- Katoch, B.S., and A.K. Chopra. 1974a. D-termination of various growth depressants in dhaincha (*Sesbania aculeata* Pers.) seeds and their effect on chicks. Indian Journal of Animal Science 44:557-562.

- Katoch, B.S., and A.K. Chopra. 1974b. Effect of autoclaving on the nutritional value –f dhaincha (*Sesbania aculeata*) seeds for poultry. *Indian Journal of Animal Science* 44:884-887.
- Kemmer, F. N. 2002. *The Nalco Water Handbook* 3rd Edition. McGraw Hill: USA.
- Keputusan Gubernur Jawa Tengah No. 10, 2004, “Baku Mutu Limbah Cair Bagi Industri atau Kegiatan Usaha Lainnya di Jawa Tengah”, Jawa Tengah.
- Kiely, G. 1998. *Environmental Engineering*. Irwin McGraw-Hill. Boston.
- Klimiuk, E., U Filipkowska, A. Korzeiowska. 1999. ” Efects of pH and Coagulant Dosage on Effectiveness of Coagulation wastewater by Polyalumunium Chloride (PAC)”, *Polish Journal of Enviromental Studies* Vol.8, No, 2 hal 73-79
- Laksono & Endang, W. 2010. *Kajian Penggunaan Absorben Sebagai Alternatif Pengolahan Limbah Zat Pewarna Tekstil*. Makalah Jurdik Kimia FMIPA. Universitas Negeri Yogyakarta
- Le Houerou, H. N. 1980. The role of browses in the Sahelian and Sudanian zones. In: *Browse in Africa, the current state of knowledge*. H. N. Le Houérou (ed.), ILCA, Addis Ababa, Ethiopia, 83-100
- Lestari, M. 2005. Efektivitas Bioflokulan Kacang Babi (*Vicia vaba*) Dalam memperbaiki Sifat Fisik Air Baku Air minum. Skripsi Sarjana Jurusan pendidikan Biologi. Universitas pendidikan Indonesia.
- Linsley R.K, JB Franzini. 1989. *Teknik Sumberdaya Air*. Penerbit Airlangga, Jakarta.
- Manurung, J. 2009. Studi Efek dan Berat Jenis Koagulan Terhadap Penurunan Nilai COD dan BOD Pada Pengolahan Air Limbah Dengan Cara Koagulasi. Skripsi Sarjana. Departemen Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Sumatera Utara. Medan.
- Mardiyana. 2009. Efektivitas Biji Jayanti (*Sesbania sesban*) Sebagai Biokoagulan dalam Memperbaiki Sifat Fisik dan Kimiawi Air Baku Air Minum. Skripsi Sarjana. Jurusan Pendidikan Biologi. Universitas Pendidikan Indonesia.
- Mekoya, A., Oosting, S. J., Fernandez-Rivera, S., Tamminga, S., Tegegne, A., Zijpp, A. J. van der. 2009. Effect of supplementation of *Sesbania sesban* on reproductive performance of sheep. *Livest. Sci.*, 121 (1): 117-125.



- Mekoya, A., Oosting, S. J., Fernandez-Rivera, S., Tamminga, S., Tegegne, A., Zijpp, A. J. van der. 2009. Effect of supplementation of *Sesbania sesban* on post-weaning growth performance and sexual development of Menz sheep (Ethiopia). *Livest. Sci.*, 121 (1): 108-116.
- Melaku, S., Peters, K. J., Tegegne, A. 2004. Feed intake, live weight gain and reproductive performance of Menz ewes supplemented with *Lablab purpureus*, graded levels of *Leucaena pallida* 14203 and *Sesbania sesban* 1198. *Livest. Prod. Sci.*, 87 (2-3): 131-142
- Metcalf dan Eddy. 1991. *Wastewater Engineering*. Third Edition. McGraw-Hill International Edition, Singapore.
- Molina, G.E., Fernandez, S, J.M., Sanchez, P, J.A., Garcia, C.F. 1996. A study on simultaneous photolimitation and photoinhibition in dense microalgal cultures taking into account incident and averaged irradiances. *J. Biotechnol.* 45, 59–69.
- Motgomery, M.J. 1985, *Water Treatment Principles and Design*, John Wiley & Sons Inc, New Work.
- Nao, T.V. 1979. *Sesbania* species in two agro-forestry systems. UNU/CMU workshop on agro-forestry for rural 12-16, communities, Chiang Mai, Thailand, November 1979
- Nao, T.V. 1983. Agroforestry systems and some research in “Plant research and agroforestry. “P.A. problems. Huxlex (ed.). International Council for Research in Agroforestry, Nairobi, Kenya, pp. 71-77
- Nathanson, J.A. 1997. *Basic Environmental Technology*. Water Supply, Waste Management, and Pollution Control. Prentice-Hall Inc., New Jersey.
- Nathanson, J.A. 1986. *Basic Environmental Technology : Water Supply, Waste Disposal, and Pollution Control*. John Wiley & Sons, Inc. New York.
- Nazir, M. 1983. *Metodologi Penelitian*. Cetakan IV. Jakarta : Ghalia Indonesia.
- Olphen, V.H. 1997. *An Introduction to Clay Colloid Chemistry*. 2<sup>nd</sup> ed. New York : John Willey & Sonsa Willey Interscience Publication.
- Palar, H. 1994. *Pencemaran dan Toksikologi Logam Berat*. Rineka Cipta. Jakarta.
- Pandia, S. 2005. *Pengaruh Masa Biji Kelor Pada Penjernihan Proses Air*. Program studi Teknik Kimia, Fakultas Teknik Sumatera Utara. Medan 2005. Vol 26-33 ISSN 1412-7814.

- PESCOD, M. D. 1973. Investigation of Rational Effluen and Stream Standards for Tropical Countries. A.I.T. Bangkok, 59 pp
- Polhill, R.M. and M. Sauza. 1964. In Advances in legume (Benth) Hutch sytematics, R.M. Polhill and D.H. Raven (eds.), Royal Botanic Gardens, Kew.
- Prakash, D. & Misra, P.S. 1988. Protein content and amino acid profile of some wild leguminous seed. *Plant foods for human nitrition* 38: 61-65.
- Pratiwi, Y. 2010. Penentuan Tingkat Pencemaran Limbah Industri Tekstil Berdasarkan Nutrition Value Coefitient Bioindikator. *Jurnal teknologi Volume 3 no. 2 Desember 2010, 129-137.*
- Purwaningsih, I. 2008. Pengolahan Limbah Cair Industri Batik Cv. Batik Indah Raradjonggrang Yogyakarta Dengan Metode Elektrokoagulasi Ditinjau Dari Parameter *Chemical Oxygen Demand* (COD) dan Warna. Tugas Akhir Jogjakarta:UII
- Rambe, A. 2009. Pemanfaatan Biji Kelor *Moringa oleifrera* Sebagai Koagulan Alternatif Dalam Proses Penjernihan Limbah Cair Industri Tekstil. Sekolah Pasca Sarjana Universitas Sumatera Utara Medan.
- Richter, A. 1994. *Arts and Crafts of Indonesia*. San Francisco: Chronicle Books.
- Riyanto, D. SE. 1993. Proses Batik, Batik Tulis, Batik Cap, Batik Printing. Solo: C.V. Aneka.
- Rizaldi, R. 2008. Pengelolaan Sampah Secara Terpadu di Perumahan Dayu Permai Yogyakarta [skripsi]. Yogyakarta: Jurusan Teknik Lingkungan Fakultas Teknik Sipil dan Perencanaan Universitas Islam Indonesia.
- Rossi, M.E. dan Ward, N.I. 1993. The Influence of Chemical Treatment of Metal Composition of Raw'Water. *Proc. Int. Conf.on Heavy Metals In The Environ. 2: 471-475.*
- Sastrawijaya, A. T. 1991. Pencemaran Lingkungan. Penerbit PT. Rineka Cipta. Jakarta.
- SAWYER, C.N and P.L., MC CARTY. 1978. *Chemistry for Environmental Engineering*. 3rd ed. Mc Graw Hill Kogakusha Ltd.:n405 - 486 pp.
- Setyaningsih, H. 2007. *Pengolahan limbah batik dengan proses kimia dan adsorpsi karbon aktif*. Tesis Program Pasca Sarjana UI. Jakarta.
- Shqueir, A. A. ; Brown, D. L. ; Taylor, S. J. ; Rivkinc, I. ; Klasing, K. C. 1989. Effects of solvent extractions, heat treatments and added cholesterol on

- Sesbania sesban* toxicity in growing chicks. *Anim. Feed Sci. Technol.*, 27 (1-2): 127-135
- Singh. 1990. Fertility Control of Female through Sesbani Sesbian Seeds. *The Journal of Research and Education in Indian Medicine*. p.27-32.
- Singh, N.T. 1989. Perennial *Sesbania* in India In: Macklin, B. and Evans, D.O. (eds), *Perennial Sesbania Species in Agroforestry Systems*. Proceedings of an international workshop at ICRAF Nairobi, Kenya. NFTA Special Publication 90-01, pp. 139-150.
- Sofiany, R. 1999. Efektivitas Biji *Moringa oleifera* Lam dalam memperbaiki Sifat Fisik Kimia Limbah Cair Industri Penyamakan kulit di Sukaregang. Tesis Magister. Departemen Biologi. Institut Teknologi Bandung.
- Spellman, F. R. 2003. *Handbook of Water and Wastewater Treatment Plant Operation*, Lewis Publisher, London. Pp. 329-480.
- Steel, E. W. dan T. J. McGhee. 1985. *Water Supply and Sewerage*. McGraw-Hill Inc., New York.
- Storey, J. 1992. *Textile Printing*. London: Thames R Hudson
- Sugiharto. 1987. *Dasar-Dasar Pengolahan Air Limbah*. Ui Press, Jakarta.
- Suhendra. 2009. Permintaan Batik Melonjak. [online] tersedia <http://www.detikfinance.com/read/2009/03/14/152007/1099371/4/permintaan-batik-melonjak-50>. [23 Juli 2013]
- Soekamto, S. 1984. *Pengantar Penelitian Hukum*. Jakarta: UI Press.
- Sunu, P. 2001. *Melindungi Lingkungan Dengan Menerapkan ISO 14001*. PT. Gramedia Widiasarana Indonesia. Jakarta.
- Tjokrokusumo. 1995. *Pengantar Konsep Teknologi Bersih*. Yogyakarta: Sekolah Tinggi Teknik Lingkungan YLH. Hal. 63-65.
- United States Development of Agriculture. 2000 .Of Plant Profile of *Sesbania sesban*. [online]. Tersedia : <http://plant.usda.gov> (22 Januari 2013).
- Wardhana, W. A. 2004. *Dampak Pencemaran Lingkungan*, Yogyakarta : Penerbit Andi.
- Whistler, R.L., and T. Hymowitz. 1979. *Guar agronomy production industrial use and nutrition*. Purdue University Press, West Lafayette, Indiana, USA
- Yudoseputro, W. 1986. *Pengantar Seni Rupa di Indonesia*. Bandung: Angkasa



Friska Dwi Nur Styani, 2013

Efektivitas Biji Jayanti (Sesbania Sesban) Sebagai Biokoagulan Dalam Memperbaiki Sifat Fisik Dan Kimiawi Limbah Cair Industri Batik

Universitas Pendidikan Indonesia | [repository.upi.edu](http://repository.upi.edu) | [perpustakaan.upi.edu](http://perpustakaan.upi.edu)