

CURRICULUM VITAE



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ALIA DAMAYANTI

Last Update: September 2008

Address

Current Address : Block G04, 101-02, UTM, Johor Bahru, Malaysia 81310

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Personal Particulars

Age : 32 years	Date of Birth : 9 February 1977
Nationality : Indonesia	Gender : Female
Marital Status : Marriage	Passport No. : S140135

Educational Background

Highest Education

Level : Master of Technology (MT)	
Field of Study : Environmental Engineering	
Major : Environmental	
Name of Institution : Institute Technology of Sepuluh Nopember (ITS), Surabaya, Indonesia	
Location : Surabaya, Indonesia	Graduation Date : September 2003

Second Highest Education

Level : Bachelor of Science (B. Sc)	
Field of Study : Environmental Engineering	
Major : Environmental	
Name of Institution : Institute Technology of Sepuluh Nopember (ITS)	Graduation Date : September 1999

Employment History

1. **Company Name** : PT SEHATI

- Position Location** : Surabaya, Indonesia
- Date Joined** : Nopember 1999
- Date Left** : December 1999
- Work Description** : Surveyor of water demand in Surabaya, Sidoarjo, Gresik, and Pasuruan
2. **Company Name** : **ITS**
- Position Location** : Public Relation, Indonesia
- Date Joined** : 1999
- Date Left** : 2000
- Work Description** : Making Good Relations between ITS and Media (Newspaper, TV, Radio, etc) and making publications activities ITS to Media (Newspaper, TV, Radio, etc)
3. **Company Name** : **UPN (Universitas Pembangunan Nasional) Frateran**
- Position Location** : Lecturer Assistant, Indonesia
- Date Joined** : April 2001
- Date Left** : Januari 2003
- Work Description** : Supervisor of student to design of the water and wastewater plant, plumbing, water piping distribution system, and its cost planning as their big assessments.
4. **Company Name** : **ITS**
- Position Location** : Secretary of Redaction ITS Online (www.its.ac.id), Surabaya
- Date Joined** : February 2003
- Date Left** : September 2003
- Work Description** : Making first online system media in ITS, helping the news process until appearing online, helping coordinating reporters, redactors, etc.
4. **Company Name** : **ITS**
- Position Location** : Lecturer, Surabaya
- Date Joined** : September 2003
- Date Left** : Present (on studying duty)
- Work Description** : Teaching, Research, Making Relationship with Society
5. **Company Name** : **INSTITUTE OF ENVIRONMENTAL AND WATER RESOURCE MANAGEMENT (IPASA), UNIVERSITI TEKNOLOGI MALAYSIA**
- Position Location** : PhD Student, Malaysia
- Date Joined** : Nopember 2006
- Date Left** : Present
- Work Description** : Analysis of the water and wastewater
Report writing

Extra Curriculum Activities , Organization and Professional Members

Journalism at Paradigma, Jamaah Masjid Manarul Ilmi (JMMI), ITS, Surabaya , 1995 – 1999
 General Department Coordinator, Students Organization of Environmental Engineering, FTSP, ITS, Surabaya, 1998-1999
 ITS Public Relation, 1999-2000
 ITS Online editor 2000-2003
 Secretary, National Seminar of Waste Water Treatment, ITS, Surabaya, September 2005
 General Treasurer, Indonesian Student Association, 2007-2008
 International Postgraduate Student Society (IPSS)
 Committee of the World Water 2007, Terengganu, April 2007
 Member of International Water Association (IWA), 2008-now.

Course and Awards

COURSES

- Emergency Preparedness and Response Workshop held on 14th-16th December 2004 in Surabaya, by ITS a Indonesia.
- Socialisation Of Nuclear International System; Sponsored by: Head of ITS Library; Location: ITS. Surabaya, 15 9 2004
- Developing And Preparing An Academicals Quality Assurance Procedures Manual And Led By Mr. Ian Charleston From International, Education And Training Service, Melbourne-Australia; Sponsored By: TPSDP Batch III, Academic Quality Assurance; Location: Surabaya, Indonesia, 14 June 2005
- Lecturers Practicing Guide For New Lecturers; Sponsored by: ITS; Location: Surabaya, Indonesia; Dates: 18-20/5/2
- Workshop of Wastewater Treatment Systems by Gustaf Olsson (Lund University, Sweden), IPASA, Universiti Teknolc

Malaysia, February 2008

- Workshop of Membrane Technology by Zaini Ujang, Kuala Lumpur Convention Center, May 2007
 - Workshop of The Importance of ICA (Instrumentation, Control and Automation) in Water and Wastewater System: Gustaf Olsson (Lund University, Sweden), IPASA, Universiti Teknologi Malaysia, November 2006
 - Analytical Science Seminar, Fisher Scientific (M) Sdn Bhd, Zon Hotel, Johor Bahru, September 2006
 - Introduce of PAXIT Software, Universiti Teknologi Malaysia (UTM), Johor, May 2008
 - Tips on Research Writing, Universiti Teknologi Malaysia, April 2006.
- AWARDS**
- Technology Grant Southeast Asia (On Place), Asea Uninet on Place Scholarship from Austrian Exchange Service, International Cooperation in Education and Research, 2001-2003.
 - Ministry of Science and Technology Malaysia (IRPA, Vot.79006 for PhD program), 2006-2008.
 - Faculty for the Future, The Schlumberger Foundation, 2006-2007.
 - Islamic Development Bank Scholarship, 2007-2010.

Publications

RESEARCH PROJECT REPORTS

- Water Lettuce (*Pistia stratiotes L.*) used to Decrease COD, N, P on TPA Keputih Sukolilo Leachate, Surabaya.
- Tofu Waste Water Management by Water Lettuce (*Pistia stratiotes L.*).
- Study of concentration decreasing of Ion Cu^{2+} in Artificial Waste Water with TiO_2 .
- Study of Effectiveness Decreasing Chromium (Cr^{6+}) with *Eicchomia crassipes*.
- Study of Environmental Impact after Landfill Closure in Final Disposal Keputih, Sukolilo, Surabaya.
- Study of mangrove density to reduce Cr, Hg, and the influence to tiger shrimp (*Penaeus monodon*) and milk fish (*Channos-channos*) in Keputih, Sukolilo
- Adsorption of heavy metal Cd, Cr, Cu, Pb used chitosan in waste water.
- Hybrid Membrane Bioreactor (MBR) For Biotransformation Of Palm Oil Mill Effluent (POME) (IRPA, Vot.79006 program), 2006-2008.

JOURNALS

1. Alia Damayanti and Joni Hermana. "Environmental Risk Analysis Of Tofu Waste Water Management Lettuce (*Pistia stratiotes L.*)," *Jurnal Purifikasi*. June 2004.
2. Trias Yuniar and Alia Damayanti. "Study Of Degradation Ion Copper By Artificial Waste Water Usir Fotocatalytic With Time Spreading" *Jurnal Purifikasi*. August 2005.
3. Alia Damayanti, Dian Saptarini, and Nana Suryatna. "Study of mangrove density to reduce Cr, Hg influence to tiger shrimp (*Penaeus monodon*) and milk fish (*Channos-channos*) in Keputih, Sukolilo," *Jurnal Purifikasi*. August 2006.
4. Alia Damayanti, Razman Salim, and Zaini Ujang. Finding Of Coefficients And Oxidizable Nitrogen From POME For Activated Sludge Models (Asms). *Malaysian Journal of Civil Engineering* 21(1) : 32-37.
5. Alia Damayanti, Zaini Ujang, M.R. Salim, Gustaf Ollson, A.Z. Sulaiman, Respirometric analysis of activated sludge models from palm oil mill effluent. *Bioresource Technology* 101 (2010) 144-149
6. Alia Damayanti, Zaini Ujang, MR Salim, and G. Ollson, The Influence of PAC, Zeolite, and *Moringa oleifera* Reducer (BFR) on Hybrid Membrane Bioreactor of Palm Oil Mill Effluent (POME) (accepted in *Water Science and Technology*, 2011).

Conference Papers

1. Alia Damayanti and Joni Hermana. (2004). $\text{NH}_4^+/\text{PO}_4^{3-}$ Ratio Influence Of Tofu Waste Water Treatment Using Water Lettuce (*Pistia stratiotes L.*). National Seminar from Environmental Engineering And Chemical Engineering ITS, "On Recent Trends Waste Water Treatment", 20 May 2004.
2. Alia Damayanti and Eddy S. Soedjono. (2004). Variation of Concentration Using Water Lettuce (*Pistia stratiotes L.*) To Decrease COD On Leachate From Final Disposal Keputih, Sukolilo, Surabaya, National Seminar From Environmental Engineering, National Development Of University, 5 June 2004.
3. Alia Damayanti and Joni Hermana (2004). Evaluated Influence Of Water Lettuce (*Pistia stratiotes L.*) BOD/COD Ratio On Tofu Waste Water Treatment, National Seminar From Environmental Engineering, Surabaya, Indonesia, 27 September 2004.
4. Alia Damayanti and Joni Hermana (2005). Economical Analysis Using Tofu Waste Water Treatment Using Water Lettuce (*Pistia stratiotes L.*), National Seminar Management Technology II, Indonesia, 8 Feb 2005.
5. Alia Damayanti (2005). Evaluated Of Sanitary Landfill Design To Avoid Landslides In Leuwigajah Disposal, International Seminar Early Warning Disaster, 11 March 2005.
6. Alia Damayanti and Joni Hermana. (2005). Evaluate pH Using Water Lettuce (*Pistia stratiotes L.*) To Decrease COD, N-Total, Dan P-Total, National Seminar Environmental Chemistry IV, Universitas Airlangga Surabaya, Indonesia, Mei 2005.
7. Alia Damayanti and Eddy S. Soedjono. (2005). Variation Of Concentration Using Water Lettuce (*Pistia stratiotes L.*) To Decrease N-Total On Leachate From Final Disposal Keputih, Sukolilo, Surabaya, National Seminar From Environmental Engineering, UPN University, Indonesia, June 2005.

8. Trias Yuniar and Alia Damayanti. (2005). Copper Ion Concentration Degradation Study Of Artificial Wastew By TiO_2 as Foto Catalyst, National Seminar From Environmental Engineering, Universitas Pambang Nasional, Surabaya, Indonesia, June 2005.
9. Dian Amalia and Alia Damayanti. (2005). Study of Effectiveness of Chromium Degradation (Cr^{6+}) In V Water By Using Water Hyacinth (*Eicchorniae crassipes L.*), National Seminar From Environmental Enginee Universitas Pembangunan Nasional, Surabaya, Indonesia, June 2005.
10. Yulinah Trihadiningrum, Solly Syahrial, Dian Alfa M., and Alia Damayanti. (2005). Preliminary Assessme Environmental Quality of a Closed Solid Waste Disposal Site in Surabaya City, Indonesia, Internal Seminar 7th Symposium on Asian Academic Network for Environmental Safety and Waste Manage (AANESWM) . Tokyo, Japan, 20 September 2005.
11. Trias Yuniar and Alia Damayanti. (2005). Study Effectiveness of Chromium Degradation (Cr^{6+}) In V Water By Using Water Hyacinth (*Eicchorniae crassipes L.*) with density variation, Seminar of Environm Technology III, From Environmental Engineering, ITS, Surabaya, Indonesia, 27 September 2005.
12. Benny Permana and Alia Damayanti. (2006). Leachate and Green Phoskko as Biostarter for Making F Vegetables Garbage Composting and the Economical Value, National Seminar Management Technolog February 2006.
13. Alia Damayanti and Dede Dwicahyo. (2006). Study of Chitosan as Biosorbent Heavy Metal Pb wit variation, National Seminar Management Technology III, February 2006.
14. Ferika Asriningtyas and Alia Damayanti. (2006). Effect of Microorganism M-16 and Tofu Waste to Waste Composting Process as Semi Anaerobic and Economic Analytical Value, National Ser Management Technology III, February 2006.
15. Alia Damayanti, Zaini Ujang, Razman Salim, Zulkifli Ahmad, and Gustaff Ollson. (2008). Determinati K_{La} , COD Fractionations, and Heterotrophic Yield of Palm Oil Mill Effluent (POME), Asia Water Confer 2008, 2 April 2008.
16. Zulkifli Ahmad, Salmiati, Zaini Ujang, Alia Damayanti, and Gustaff Ollson. (2008). A Novel Approac Palm Oil Mill Effluent (POME) Treatment And Recovery Using Hybrid Membrane Bioreactor (MBR), Water Conference 2008, 2 April 2008.
17. Biofouling Variation Reducer to Support Optimum Operational of MBR, Water Malaysia, Issue No. 18 October/November 2008.

REVIEWERS

1. Water Science and Technology Journal.
2. Desalination Journal.
3. World Water Congress (19-24 September 2010, Montreal, Canada).
4. Bioresource Technology Journal.
5. Environmental Engineering and Managmen Journal.