

## Profil Dosen



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### Pendidikan:

S3 2002, Universiti Teknologi of Malaysia

Disertasi : Modeling of shoreline changes at an open mud coast

S2 1996, University of Florida at Gainesville

S11990, Bandung Technology University, Bandung

### Pendidikan Tambahan:

### Bidang Kekhususan:

1. Coastal Engineering
2. Coastal Zone Management
3. Hydraulics
4. Sediment Transpot

### Mata Kuliah:

1. Matematika Rekayasa, S2 Magister Teknik Sipil USU
2. Metode Numerik, S2 Magister Teknik Sipil USU

3. Matematika , S2 Magister Teknik Sipil USU
4. Pengelolaan Sumber Daya Air, S2 Magister Teknik Sipil USU
5. Riset Operasi, S2 Magister Teknik Sipil USU
6. Appraisal, Studi Kelayakan dan Pembiayaan Proyek Prasarana, S2 Magister Teknik Sipil USU
7. Teori Keputusan, S2 Magister Teknik Sipil USU
8. Manajemen Sistem Informasi, S2 Magister Teknik Sipil USU
9. Pengelolaan Wilayah Cakupan Air, S2 Magister Teknik Sipil USU
10. Ilmu Ukur Tanah, S1 Teknik Sipil USU
11. Matematika, S1 Teknik Sipil USU
12. Mekanika Fluida, S1 Teknik Sipil USU
13. Teknik Pelabuhan, S1 Teknik Sipil USU

<b>Pengalaman Pekerjaan:</b>
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2005 - sekarang	Sekretaris Departemen Teknik Sipil USU
2000 – Sekarang	Staf Pengajar di Fakultas Teknik Sipil, USU

<b>Publikasi Ilmiah:</b>
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2005, Proposition on shoreline Modeling At Muddy Coast, Jurnal Penelitian Saintika 2004 Vol 5 No. 2, Sept. 2005 Akreditasi No. 23a/DIKTI/KEP/ 2002 ISSN : 1412-2995, 143 - 153

2005, Transfer function model of rainfall-runoff relationship of a drained catchment, The Institution of Engineering, Malaysia. Vol. 66 No. 4, December 2005, 9 - 13

2005, Karakteristik gelombang tsunami di Indonesia, Proceeding Seminar Nasional 2005, Program Studi Magister Teknik Sipil USU, Sekolah Pascasarjana USU, Jun 2005, No. ISSN: 979-9844 1-3-4, G.1 – G.11

2004, Kriteria manajemen zona pantai, studi kasus: konservasi pasir laut, pantai timur Sumut, Proseding Seminar Nasional 2004, Program Studi Magister Teknik Sipil USU, Sekolah Pascasarjana USU, Feb 2004. No ISSN: 979-98441-O-X, hal. VII.1 – VII.7

2004, Seasonal shoreline characteristics of the open muddy beach of the pantai Pongkor, Malaysia, Marine Science, 2004

2004, On the effects of the monsoonal forces over the Malacca strait on the coastal Morphology, a need for joint research, Jurnal Teknik Simetrika. Vol. 3 No. 2, Agustus 2004, ISSN: 1412-7806, 155 - 160

2003, Muddy wave transformation in the open near shore zone, Proceeding Nae 2003 International Conference on numerical analysis

1999, Mud versus sand beaches: comparison on profile and shoreline modeling, International conference on Hydrology and Water resources, Humid Tropics, the challenge of sustainable development

1999, Shoreline changes of an open muddy environment in pantai Punggur, Pontian, Johor Malaysia, Proceeding International Symposium and Exposition on coastal environment management

1997, Recession of muddy coast: a departure from the Bruun Rule, National Hydraulic Research Institute of Malaysia (NAHRIM)

#### Organisasi Profesi:

- Himpunan Ahli Teknik Pantai
- Program Mitra Bahari
- International Meeting of Cohesive Sediment (Intercoh)

#### Penghargaan: