

CURRICULUM VITAE



Name : Afif Navir Refani
Nationality : Indonesian
Email Address : navir@ce.its.ac.id / navir.afif@gmail.com

Academic Qualification

- **Bachelor Degree** : Civil Engineering Department, ITS Surabaya (finished at 2007)
Final Project : Detailed Engineering Design of Nilam Timur Terminal – Port of Tanjung Perak Surabaya, Conversion from Cargo Terminal into Container.
GPA : 3,23 / 4,00
- **Master Degree** : Master of Civil Engineering - Structure, ITS Surabaya (finished at 2011)
Thesis : Reliability Study on Corrosion Effect of I-Shape Steel Bridge Girders based on Probabilistic Theory
GPA : 3,79 / 4,00

Work Experience

Current Position : Lecturer and Researcher (Since 2015)
Department : Civil Infrastructure Engineering – Vocational Faculty
Sepuluh Nopember Institute of Technology (ITS)
(State-owned Institute) <https://dtis.its.ac.id/>
Office Address : ITS Manyar Campus, Jl. Menur 127 – Surabaya, East Java. Postcode : 60282

Research Interest

- Structural Strengthening of Existing Buildings
- Reinforced Concrete Structure
- Steel Structure
- Development of Earthquake Resistant Building
- Structural Reliability

Publications

Refani, A.N., Alrasyid, H., Irmawan, M, [2008], "Utilization of Belt Truss and Floor Diaphragms as a variation Outrigger system at High Building", Proceeding of The Fourth Civil Engineering National Seminar, Surabaya, Indonesia, ISBN 978-979-99327-3-0, ITS, (In Indonesian)

- Darmawan, M.S., Refani, A.N., Irmawan M., (2013), **“Time Dependent Reliability Analysis of Steel I Bridge Girder Designed Based On SNI T-02-2005 and SNI T-03-2005 Subjected To Corrosion”**. Procedia Engineering, 54:270-285.
- Refani, A.N., Alrasyid, H., Irmawan M., (2015), **Structural Evaluation of 50 years Reinforced Concrete Building Based on Indonesian Codes for Earthquakes Loads (SNI 1726 – 2012) and SNI 2847 2013”**, Jurnal Aplikasi Teknik Sipil Vol. 13 : 17-26.
- Irmawan, M., Kahaditu, Y., Refani, A.N. (2016), **Modification of Reinforced Wall of Bozem at Pilangbango Bozem Construction Project**, 2nd International Conference on Civil Engineering Research (ICCER), Organised by Department of Civil Engineering ITS, January 27th 2016 at Surabaya.
- Refani, A.N., Darmawan, M.S., Irmawan M., (2016), **“Feasibility Study of 15 Years Abandoned High Rise Building Structures Against Earthquakes Based on Indonesian Newest Codes for Earthquakes Loads (SNI 1726 – 2012)”**. The 2nd Conference on Innovation and Industrial Applications, Surabaya, Indonesia.
- Alrasyid, H., Refani, A.N., Irmawan M., Suluch, M., (2018), **“Experimental and Analytical Assessment of 60 m Steel Truss Bridge”**. The International Conference on Advances in Civil and Environmental Engineering, Bali, Indonesia.

Society Activities

- 1) **Structural Evaluation of Kedungcangkring Bridge Construction in Jabon – Sidoarjo**, Mei 2016, Collaboration between Research Institution and Community Service (LPPM) ITS and Public Works Service Department of Sidoarjo Districts.
- 2) **Structural Assessment of Labuhan Lalar Port (Chapter II) at Sumbawa Barat**, Januari 2016, Collaboration between Research Institution and Community Service (LPPM) ITS and Indonesian National Government Internal Auditor (BPKP).
- 3) **Structural Evaluation of RSUD Padangan Construction at Bojonegoro – East Java**, Februari 2016, Collaboration between Research Institution and Community Service (LPPM) ITS and Public Works Service Department of Bojonegoro Districts.
- 4) **Documents Provision of Pilangbango Dam Construction in Madiun – East Java**, August 2017, Collaboration between Research Institution and Community Service (LPPM) ITS and Public Works Service Department of Madiun Districts.
- 5) **Technical Services for Continuing Aji Tullur Jejangkat Bridge Construction in Kutai Barat - Kalimantan Timur**, Februari 2018, Collaboration between Business Development and Management institution (BPPU) ITS and Public Works Service Department of West Kutai Districts.

- 6) **Feasibility Assessment of Hi Tech Mall Building in Surabaya**, October 2018, Collaboration between Business Development and Management institution (BPPU) ITS and Public Works Service Department of Surabaya City.

Workshop and Training Experience

2018

Date : 30 Aug 2018
 Details : Short Course on Forensic Engineer in Building & Civil Structures
 Host : Himpunan Ahli Konstruksi Indonesia (Indonesian Society of Civil and Structural Engineer)

Date : 21 Sept 2018
 Details : Short Course on Impact of the Renewal of Indonesian Concrete and Earthquake Code on Earthquake-Resistant Reinforced Concrete Building Design
 Host : Himpunan Ahli Konstruksi Indonesia (Indonesian Society of Civil and Structural Engineer)

Date : 15 Nov 2018
 Details : Short Course on Detailed Provisions for Reinforcement In Reinforced Concrete Structures According To SNI 2847 201x And ACI 3184m-14
 Host : Himpunan Ahli Konstruksi Indonesia (Indonesian Society of Civil and Structural Engineer) & ACI (American Concrete Institute)

2016

Date : 22 July 2016
 Details : Short Course on Behavior of Structural Systems in High-Rise Building & Design and Implementation of Cable Stayed Bridges in Indonesia
 Host : Himpunan Ahli Konstruksi Indonesia (Indonesian Society of Civil and Structural Engineer)

Professional Membership

Himpunan Ahli Konstruksi (HAKI) / Indonesian Society of Civil and Structural Engineering, Membership No. 2011006, SKA No. 01726/21-09/A-Md/2017 (Intermediate Expert of Structure).

Language Proficiency

Mother tongues : Bahasa Indonesia , Bahasa Jawa (Javanese)
Other language(s) : English (IELTS Overall Band Score :6)

Listening	Reading	Writing	Speaking	CEFR Level
5.5	6.0	6.0	5.5	B2