

# CURRICULUM VITAE



## A. Identity

1. Name : **Dr. Ir. GOUW Tjie Liong M.Eng, ChFC**
2. Occupation : Senior Geotechnical Consultant  
Senior Financial Services Consultant
3. Telephone : 62-21-58355049
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<http://gouw2007.wordpress.com/>

## B. Present Position

1. Senior Certified Geotechnical Engineer
  - Holder of Class A (*highest qualification*) Certified Professional Geotechnical Engineer issued by Jakarta Building Authority (DKI - SIPTB - Class A).
  - Holder of Certified Senior Certified Geotechnical Engineer issued by The Indonesian Geotechnical Engineers Association (*G2-highest qualification*).
2. President of the Indonesian Chapter of International Geosynthetics Society (INA-IGS).
3. Vice Chairman of the Jakarta Chapter of The Indonesian Geotechnical Engineers Association. (note: Jakarta is the capital City of Indonesia)
4. Provider of Geotechnical Engineering Short Courses for Engineers.
5. Geotechnical Advisor for PT. Solefound Sakti - Jakarta.
6. Part time lecturer at:
  - Post Graduate Study - Universitas Katolik Parahyangan, Bandung

## C. Educational Background

1. 1967-1972: Elementary School, SD Palmerah II Pagi, Jakarta.
2. 1973-1975: Junior High School, SMPN LXI, Jakarta.
3. 1976-1979: Senior High School, SMAN II, Jakarta.
4. 1979-1984: Civil Engineering, Universitas Katolik Parahyangan, Bandung.  
1987-1989: Master degree, Geotechnical Engineering, Asian Institute of Technology (AIT), Bangkok.
5. 2004-2006: Chartered Financial Consultant, SCI, Singapore.
6. 2014-2017: Doctorate degree, Universitas Katolik Parahyangan, Bandung.

## D. Languages

English, Indonesian and Mandarin (Chinese)

## E. Teaching Experiences

- 1985-1987 and 1989: Ass. Lecturer at Tarumanagara University, Jakarta.
- 1990-1995 : Lecturer at Tarumanagara University, Jakarta.

- 1995-1996 : Guest Lecturer for Master Degree Program at Tarumanagara University, Jakarta and at Parahyangan Catholic University, Bandung.
- 1997-2003 : Part time lecturer for Master Degree Program at Parahyangan Catholic University, Bandung.
- 1992-2001 : Regular trainer in The Training Centre of MBT and Dept. of Public Work, and (since year 2000) also as tutor and examining team for the Professional Geotechnical Engineer of the Society.
- 2001 : Lecturer in Ground Improvement Subjects at Universitas Pelita Harapan, Jakarta.
- 2009, Sep : Guest Lecture in Preloading with Vertical Drains at University of New South Wales (**UNSW**), Sydney, Australia.
- 2012, Aug 27: Guest Lecture in a Seminar on Soil Improvement on reclaimed lands, The Indonesian Experiences, Hong Kong University of Science and Technology, Hong Kong.
- 2012, Dec 7: Guest Lecture in a Seminar on The Application of Vertical Drain for Soft Ground Improvement - Indonesian Experience, Hong Kong University of Science and Technology, Hong Kong.
- 2012, Dec 8: Guest Lecture in Seminar on The Application of Ground Improvement Technology, Hong Kong University, Hong Kong Institution of Engineers, and Hong Kong Geotechnical Society, Hong Kong.
- 2013, May 13: Guest Lecture in Seminar on Performance of Micropiles subjected to Repetitive Load and Unload Cycles of 1500kN Load, Hong Kong University of Science and Technology, Hong Kong.
- 2013, May 31: Keynote Lecture in 18<sup>th</sup> Southeast Asian Geotechnical Conference, Singapore.
- 2013, June 4: Special Lecture in Pile 2013 Conference, Bandung.
- 2014, May 02: Guest Lecture in Seminar on Deep Excavation Failures, Can They be Prevented, Hong Kong University of Science and Technology, Hong Kong.
- 2017, Jan 13: Guest Lecture in Seminar on Hybrid Reinforced Soil Structure - Tana Toraja Case History, Hong Kong University of Science and Technology, Hong Kong
- 2007, Jan 2017: Lecturer in Geotechnical Engineering at Bina Nusantara University, Jakarta.
- 2018 : Undergraduate thesis advisor, UKRIDA, Jakarta
- 2018-now : Lecturer, Post Graduate Study, Universitas Katolik Parahyangan, Bandung.
- 2019 : Lecturer, Podomoro University, Jakarta.
- 2007-now : Regular Trainers for Practicing Geotechnical Engineers (Providers of Geotechnical Short Courses/Training) Jakarta, Indonesia. Conducting about 5 to 11 courses per year.

## **F. Working Experiences**

1. 1983 : Trainee, Palaguna Nusantara Build., Bandung.
2. 1984-1985: Project Officer, Hayam Wuruk Tower and Harco Pasar Baru Building, PT. Duta Anggada, Jakarta.
3. 1985-1986: Design and Site Engineer, PT. Soletanche Bachy Indonesia, Jakarta.

Experiences:

- a. As Design Engineer: Vertical drain, micropile, Paroi Berllinoise cofferdam, sheetpile, ground-anchor, barette pile, diaphragm wall and other similar jobs.
  - b. As Site Engineer:
    - 1) Tube a Manchette grouting, Tangerang, 1985.
    - 2) Vertical drains, piezometers installation and the technical follow-up, Balikpapan, 1985-1986.
    - 3) Micropile, Pulogadung, Jakarta, 1986.
    - 4) Soil Investigations.
4. 1986-1987: Project Coordinator and Head of Design Department, PT. Berdikari Pondasi, Jakarta.

Experiences:

- 5) Micropile, Surabaya, 1986-1987.
  - 6) Beam Launching, Halimun bridge, Jakarta, 1987.
  - 7) Bored pile, ITS Surabaya, 1987.
  - 8) Sheetpile, Plaza Indonesia, Jakarta, 1987.
5. 1989-1990: Technical Manager, PT. Panca Tetrasa, Jakarta.

Experiences:

- 9) Vertical drains, Pengantungan Pupuk Dwimatama, Semarang, 1989.
  - 10) Geotextile for Marunda Bridge Approach, Jakarta, 1989.
  - 11) Geotextile for Unpaved Road, PT. Dieng Jaya, Wonosobo, 1989.
  - 12) Geotextiles retaining structure, Dieng, 1989.
  - 13) Vertical drains, Jakarta West Outer Ring Road, 1989.
  - 14) Vibro-Compaction, Balikpapan, 1989-90.
  - 15) Vertical drains, Balikpapan, 1989-90.
  - 16) Vertical drains, Dumai Port, Riau, 1990.
  - 17) Geotechnical Instrumentations, Dumai Port, Riau, 1990.
  - 18) Vibroflotation, Batu Ampar, Batam, 1990.
  - 19) Geosynthetics horizontal drain, Plaza Indonesia, Jakarta, 1990.
  - 20) Geomembrane, Hyatt Hotel, Bali, 1990.
  - 21) Geotextiles retaining structure, Sheraton Hotel, Bali, 1990.
  - 22) Vertical drains, Pekalongan Fishing Port, 1990.
  - 23) Vertical drains, Polyethelene Plant, Merak, 1990.
  - 24) Geotextiles for road embankment, Palembang, 1990.
6. 1991-1992: Technical Advisor - part time basis -for Indonesian Region, Reinforced Earth (SEA) Pte. Ltd., Singapore.
7. 1991-1998: Director, PT. LIMARA ENGINEERING.

Experiences:

- 25) Slope stability failure and its remedy, PT. Decorient, Banjarmasin, 1992.
- 26) Dewatering, Wisma Kyoei Prince Indonesia, Jakarta, 1991-1992.
- 27) Pumping Test, Sudirman Tower, Jakarta, 1991.
- 28) Coring of Bored pile, Wisma Kyoei Prince Indonesia, Jakarta, 1991.
- 29) Ground Anchors, Wisma Kyoei Prince Indonesia, Jakarta, 1991.
- 30) Pumping Test, Grand Metro Equatorial Hotel, Jakarta, 1991.
- 31) Dewatering (Design), Grand Metro Equatorial Hotel, Jakarta, 1992.
- 32) Dewatering, Bapindo, Jl. Jend. Sudirman, Jakarta, 1992.
- 33) Pumping Test, Bangun Kuningan Indah, Jakarta, 1992.
- 34) Pumping Test, Mixed Used Complex, Pecenongan, Jakarta, 1992.
- 35) Pumping Test, MidPlaza II, Jakarta, 1992.
- 36) Pumping Test, Bank Exim, Jl. Kyai Tapa, Jakarta, 1992.
- 37) Pumping Test, Continental Tower, Jl. Kebon Sirih, Jakarta, 1992.
- 38) Pumping Test, Park Royal Tower 3, Jl. Gatot Subroto, Jakarta, 1992.
- 39) Pumping Test, Hasanudin Centre, Jl. Hassanudin, Jakarta, 1992.

- 40) Pumping Test, Chase Plaza II, Jl. Jend. Sudirman, Jakarta, 1992.
- 41) Plate Bearing Test, Sudirman Tower, Jakarta, 1992.
- 42) Geotech. Analysis (soil exploration), Midplaza II, Jakarta, 1992.
- 43) Geotech. Analysis (soil exploration), Sinar Mas Plaza, Jakarta, 1992.
- 44) Geotech. Analysis (soil exploration), Chase Plaza II, Jakarta, 1992.
- 45) Bored Piling Supervision, MidPlaza II, Jakarta, 1992.
- 46) Foundation Design and Loading Test Analysis, Karet Apartment, Jkt., 1992.
- 47) Foundation Design for 500 kVa Transmission line, Suralaya, 1992.
- 48) Supervision and Analysis of Test Piles, Sinar Mas Plaza, Jkt., 1993.
- 49) Tender Evaluation of Pile Foundation, The Ritz Apartment, Jkt., 1993.
- 50) Coring of Bored Pile, Landmark III, Jakarta, 1993.
- 51) Dewatering Design, Danamond Centre, Jakarta, 1993.
- 52) Dewatering Design, Jakarta Central (Citi Tower), Jakarta, 1993.
- 53) Slope stability Analysis, Ascott Jakarta, 1993.
- 54) Pumping test, Dewatering (Design & Execution), Ascott Jakarta, 1993.
- 55) Geotechnical Instrumentation, Ascott Jakarta, 1993.
- 56) Geotech. Analysis (soil exploration), Midplaza III, Jakarta, 1993.
- 57) Foundation Evaluation, Parking II Bapindo Center, Jakarta, 1993.
- 58) Foundation Design, Chase Plaza II, Jakarta, 1993.
- 59) Foundation Design, Hayam Wuruk Apartment, Jakarta, 1993.
- 60) Foundation Design, TCP Apartment, Jakarta, 1993.
- 61) Foundation Design, Nilam Facilities, East Kalimantan, 1993.
- 62) Pumping Test, Golden Key Office Tower, Jakarta, 1993.
- 63) Pumping Test, Dwibina Prima Building, Jakarta, 1993.
- 64) Pumping Test Analysis, Paramount Building, Jakarta, 1993.
- 65) Geotechnical Advisor, Pavillion Park, Jakarta, 1993.
- 66) Dewatering, Danamond Land, 1993.
- 67) Slope Remedial Works, VICO, Bontang, East Kalimantan, 1993.
- 68) Coring of Bored Pile, MidPlaza II, Jakarta, 1993.
- 69) Dewatering, Citi Tower, Jakarta, 1993-94.
- 70) Substructure Supervision (bored pile, diaphragm wall, anchor) BII Plaza, Jakarta, 1994.
- 71) Dewatering, Landmark II, Jakarta, 1994.
- 72) Dewatering, Dwibina Bldg., Abdul Muis 40, Jakarta, 1994.
- 73) Instrumented test pile, MidPlaza III, Jakarta, 1994.
- 74) Instrumented test pile, BII Plaza, Jakarta, 1994.
- 75) Pumping Test, Kuningan Center, Parcel 7,8,9, Jakarta, 1994.
- 76) Pumping Test, Kuningan Center, Parcel 5,6, Jakarta, 1994.
- 77) Pumping Test, Kuningan Center, Parcel 17, Jakarta, 1994.
- 78) Pumping Test, Pondok Indah Office Tower, Jakarta, 1994.
- 79) Soil Investigation Supervision, Taman Anggrek, Jakarta, 1994.
- 80) Foundation Advisor, Taman Anggrek Condominium, Jakarta, 1994.
- 81) (8 tower blocks of 52 storey high)
- 82) Piling Supervision, Taman Anggrek Condominium, Jakarta, 1994.
- 83) Road embankment & Sheet piling design, MDF Factory, Samarinda, 1994.
- 84) Pile Driving Analysis (PDA), Dynamic Load Testing -40 piles-, Pile Integrity Test-600 piles-, Taman Anggrek Condominium, Jakarta, 1994.
- 85) Geotechnical Analysis and Foundation Design, Plaza Indonesia II, Jakarta, 1995.
- 86) Test pile supervision (Barrette Pile and Bored Pile - 3000 tons load), Plaza Indonesia, Jakarta, 1995.
- 87) Dewatering, Empire Court, Jakarta, 1995.
- 88) Dewatering, Plaza Kempinski (MidPlaza III), Jl. Jendral Sudirman, Jakarta, 1995 -1996.
- 89) Dewatering, Deutsche Bank, Jl. Imam Bonjol - Jakarta, 1995 -1996.
- 90) Inclinometers, Deutsche Bank, Jl. Imam Bonjol - Jakarta, 1995 -1996.
- 91) Geotechnical Design, Ciater Riung Rangka- Subang, 1996.
- 92) Rock Testing (Flat Jact Test & Plate load Test) in Balambano Dam, Soroako - Sulawesi, 1996.

- 93) Substructure Supervision, Cempaka Mas Project, Jl. Soeprapto - Jakarta, 1996.
- 94) PDA (6 piles), KIIC Astra Daihatsu Motor Karawang Barat - West Java, 1996.
- 95) Vibration Monitoring Hotel Ancol, Jl. Martadinata - Jakarta, 1996.
- 96) PDA (2 piles), Arwana Nuansa Keramik, Cikande - Serang, 1996.
- 97) Inclinometers & piezometers, Galeria Jakarta, Jl. Jend. Sudirman - Jakarta, 1996.
- 98) Sonic Logging for Diaphragm Wall, 25 panels, Galeria Jakarta, Jl. Jend. Sudirman - Jakarta, 1996.
- 99) Dewatering, Graha Kuningan, 20 wells, Jl. H.R. Rasuna Said, Jakarta, 1997.
- 100) Dewatering, Wisma Mulia I, 5 wells, Jl. Jend. Gatot Subroto, Jakarta, 1997.
- 101) Dewatering, Kota Kasablanka, 31 wells, Jl. Kasablanka, Jakarta, 1997.
- 102) PDA (6 piles), Kohap Industry Project, Teluk Jambe, Karawang, 1997.
- 103) Dewatering, Graha Lestari Apartment, 9 wells, Jl. Kartini Raya, Jakarta, 1997.
- 104) Dewatering, Puri Imperium, 10 wells, Jl. Kawi, Jakarta, 1997.
- 105) Dewatering, Westin Hotel, 14 wells, Jl. M.H. Thamrin, Jakarta, 1997.
- 106) Tower Crane Foundation, design & built, Graha Kuningan, Jakarta, 1997.
- 107) Contiguous Bored Pile analysis, Graha Kuningan, Jakarta, 1997.
- 108) Contiguous Bored Pile analysis, Graha Lestari Apartment, Jl. Kartini Raya, Jakarta, 1997.
- 109) Soldier Pile and Slope Stability study, Plaza Kempinski, Jakarta, 1997.
- 110) Sonic Logging for Diaphragm wall, 2 panel, Koja Port, Jakarta, 1997.
- 111) Soil and Pile Instrumentation, Plaza Indonesia Extension, 1997.
- 112) Remedial Dewatering for Basement Slab Failure, Puri Imperium, Jakarta, 1997.
- 113) PDA Tests (8 piles), Duta Anggada, Lampung Shopping Mall, Sumatra, 1997.
- 114) PDA Tests (2 piles), Lippo Cikarang, Cikarang, West Java, 1998.
- 115) Quality Control Evaluation for Compaction Work, Cikampek, 1998.
- 116) Ground Improvement Design, Krakatau Steel Blast Furnace Plant, Cilegon, 1998.
- 117) Slope Rehabilitation Design, Bukit Sentul, Bogor, West Java, 1998.

Note: the building of the foundation that he got involved is generally high-rise building of not less than 25 story or large civil work.

8. 1992-1997: Technical Advisor, PT. Soletanche Bachy Indonesia.
9. 1992-1997: Technical Advisor, PT. SOFOCO  
(planning & analysing soil investigation works/results)
- 10.13 July 98 - 04 Sept 1999: Senior Design Engineer, Parsons Brinckerhoff  
Merz and McLellan Pte Ltd, Singapore.

Experiences:

- 118) Singapore's Kovan and Hougang MRT Stations, C703-Northeast Line, 1998-1999, Geotechnical aspects on the design and construction problems. e.g. determination of soil coefficient of subgrade reaction, the pile capacities and settlement, lateral pile capacities, diaphragm wall analysis, deep excavation method, unbalance earth pressures, soil instrumentation, groundwater flow and drawdown analysis and its effects to the surrounding ground, includes finite element method.
- 119) Singapore's Northeast Line MRT Construction, C703, 1998-1999, Geotechnical aspects on the design of bored tunnel and cut and cover tunnel, e.g. settlement of the surrounding ground and assessment of utilities deformation.

- 120) Singapore's Outram Park MRT Station, C710-NortheastLine, 1998, Geotechnical aspects on the design. E.g. determination of soil coefficient of subgrade reaction, the pile capacities and settlement, lateral pile capacities.
- 121) Sophia Mansion, Singapore, 1998-1999, Effect of piling and excavation on the future MRT tunnel line, a finite element analysis.
- 122) Singapore Changi Airport Extension, 1998-1999, accredited checker on the geotechnical aspects of the design. e.g.: diaphragm wall analysis, deep foundation analysis, pile spring constant and subgrade reaction.
- 123) Tuas South Incineration Plant, Singapore, 1998-1999, Foundation of pipe trench.
- 124) Jurong Island Linkway, Singapore, 1999, interpretation of PIT and PDA tests.
- 125) Feasibility Study for the Underground Science City at Kent Ridge Park, Singapore, 1999, e.g. underground cavern preliminary (feasibility study) design.
- 126) Ground Improvement Design on Peaty Ground (pile embankment) for the proposed Colombo-Katunayake Expressway - 24 km long, Srilanka, 1999.

11. Sept 5, 1999 - now: Principal - GTL Consultants.

Experiences:

- 127) Oct 1999: Vibration monitoring, Textile Factory, Cimahi, Bandung, Indonesia.
- 128) Dec 1999 - April 2000: Slope Stability and Compaction / Sandcone tests, Lakespra Project, PT Decorient Indonesia, Jakarta, Indonesia.
- 129) Dec 2000: Geotechnical Analysis and Foundation Recommendation for Gedung Politeknik Caltex, PT. Caltex Indonesia, Pekanbaru, Riau, Indonesia.
- 130) Nov 2001: Pile Integrity Testing - 6 mini bored piles, Taman Ratu Indah, Jakarta, Indonesia
- 131) Dec 2001 - May 2002: Pumping Test and Dewatering for CAR Building, HR. Rasuna Said, Jakarta, Indonesia.
- 132) June 2002: Reservoir Foundation Analysis, Sentul Housing Estate, Sentul, Bogor, Indonesia.
- 133) Oct 2001 - Feb 2002: Advising Rectification of Dewatering Work and Its Impact to The Surrounding Structures, Gading Mediteranean Project, Kelapa Gading, Jakarta, Indonesia.
- 134) April - May 2003: Geotechnical Analysis on The Contiguous Bored Pile Retaining Wall and Dewatering, Hotel Surya, Kediri, Indonesia.
- 135) May - June 2003: Geotechnical Review on The Secant Pile Wall (for contractor behalf), Bellagio Mansion, Mega Kuningan, Jakarta, Indonesia.
- 136) July 2003: Pile Integrity Testing - 5 bored piles, Manhattan Hotel, jalan Dr. Satrio, Jakarta, Indonesia.
- 137) May - August 2003: Diaphragm Wall Safety Re-evaluation and Its Counter Measure, Galeria Jakarta Project, Jl. Jendral Sudirman, Jakarta, Indonesia.
- 138) May 2003 - Jan 2004: Dewatering, Soil Instrumentation and Monitoring, Menara Bank Mega (Bank Mega Tower), Jl. Kapten Tendean, Jakarta.
- 139) July 2003 - Dec 2003: Geotechnical Analysis for Bridge Foundation, Hamadi-Holtekamp bridge, Jayapura, Irian Jaya, Indonesia.
- 140) Aug 2003 - Now: Inclinomometer Monitoring and Interpretation, 9 sets, The Icons Residence, Jl. Setiabudi, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 141) April 2004 - Aug 2004: Soil Investigation, Geotechnical Analysis and Foundation Design, The Icon Residence, Jl. Setiabudi, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 142) June 2004 - July 2004: Pile Foundation Review, The Peaks @ Jakarta, Jl. Setiabudi, Jakarta, Indonesia, for Agung Podomoro Group.

- 143) July 2004 - Aug 2004: Slope Stability Problem, PT SIBANY International, Lippo Cikarang, Cikarang, Indonesia.
- 144) Aug 2004 - Sep 2004: Settlement Analysis for an Existing Flour Factory Building, PT Sriboga Flour Factory, Semarang.
- 145) Oct 2004 - April 2005: Soil Investigation, Geotechnical Analysis and Foundation Design, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 146) Jan 2005: Sonic logging test for two bored piles 52.5 m deep, The Icons Apartment, Jl. Setiabudi, Jakarta, Indonesia, for PT Bauer Indonesia Pratama.
- 147) Jan - Feb 2005: PLAXIS 3D Analysis on the Effect of Diaphragm Wall Construction on the Existing Foundation of Adjacent Hotel Indonesia Building, Grand Indonesia Building, Jl. M.H. Thamrin, Jakarta, Indonesia, for PT Grand Indonesia.
- 148) Jan - Feb 2005: Installation and interpretation of fully instrumented test pile, 2 piles of 1000mm diameter, each loaded up to 1920 ton equipped with 24 vibrating wire strain gages and 1 load cell, The Icons Apartment, Jl. Setiabudi, Jakarta Indonesia, for PT Bauer Indonesia Pratama.
- 149) Jan - Feb 2005: Supervision and Analysing of Loading test, The Icons Apartment, Jl. Setiabudi, Jakarta Indonesia, for PT Duta Anggada Realty.
- 150) Feb - March 2005: Installation and interpretation of fully instrumented test pile, 2 piles of 1200mm diameter, each loaded up to 2220 ton equipped with 30 vibrating wire strain gages and 1 load cell, CityLofts Apartment, Jl. KH. Mas Mansyur, Jakarta, Indonesia, for PT Bauer Pratama Indonesia
- 151) March 2005: Sonic logging test for two bored piles 56 m deep, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Bauer Pratama Indonesia.
- 152) Feb - Apr 2005: Supervision and Analysing of Loading test, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 153) Feb - March 2005: Retaining Wall Analysis, Marina Mediterania Residences, Jl. Lodan, Jakarta, Indonesia, for PT Sarana Multi Land Mandiri.
- 154) May - Sep 2005: Geotechnical Advisor for the supervision work, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 155) June - Nov 2005: Sonic Logging Test for 155 Bored piles, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 156) August 2005: Pile Foundation Analysis, 2 Tower blocks, The Icons, Jl. Setiabudi, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 157) Oct 2005: Dynamic Loading Test (PDA Test) for 2 nos of 800mm bored piles and 2 nos of 1000mm bored piles, each 45 m depth, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 158) Dec 2005 - Jan 2006: Pile Integrity Test (PIT) for 131 nos of 800mm diameter bored piles, 45 m depth, City Lofts Apartment, Jl. KH Mansyur, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 159) Dec 2005 - Mar 2006: Analysis of Soil Nailing for Slopes, 12 m deep excavation; Installation, monitoring and interpretation of three inclinometers, City Lofts Apartment, 42 Stories, Jl. KH Mansyur, Jakarta, Indonesia, for PT Murinda.
- 160) May 2006: Soil Test and Geotechnical Analysis for Pile Foundation, Cik Ditiro Apartment, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 161) May 2006: Soil Test, Piezocone, Pressuremeter, lab test and Evaluation of Settlement Characteristics of the Subsoil, Galeria Glodok, 32 Storey Apartment, Retail and Parking building, Jl. Gajah Mada, Jakarta, Indonesia, for PT Duta Anggada Realty.

- 162) June - Aug 2006: Supervision of preliminary test pile construction and loading test; PIT test, total 9 driven piles, Galeria Glodok, 32 Storey Apartment, Retail and Parking building, Jl. Gajah Mada, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 163) June - Oct 2006: Supervision of driven piles construction, Galeria Glodok, 32 Storey Apartment, Retail and Parking building, Jl. Gajah Mada, Jakarta, Indonesia, for PT Duta Anggada Realty.
- 164) August 2006: PIT Test on 8 Driven piles, Galeria Glodok, 32 Storey Apartment, Retail and Parking building, Jl. Gajah Mada, Jakarta, Indonesia, for PT Pacific Prestress Indonesia.
- 165) August 2006, PIT Test on 4 bored piles, Mal Kelapa Gading Extension, Kelapa Gading, Jakarta, Indonesia, for PT Indopora.
- 166) August 2006, Sonic Logging on 1 bored pile dia 1000mm, 32 m depth, Kota Kasablanka, Jakarta, for PT Elite Prima Utama.
- 167) Dec-06, Retaining Wall Analysis, Rukan Crown Palace, for PT Tricahya Unggul Mandiri Jl. Dr. Supomo - Jakarta
- 168) Nov 2006 - Jan 2007, Bored Piling Supervision, Cik Ditiro Residence, for PT Dua Selaras, Jl. Teuku CikDitiro, Jakarta, Indonesia.
- 169) Nov 2006 - Jan 2007, Sonic Logging Test - 8 piles dia 1000mm - 1200mm bored pile - 45 m depth, Cik Ditiro Residence, for PT Dua Selaras, Jl. Teuku CikDitiro, Jakarta, Indonesia
- 170) Feb-07, Retaining Wall and Soil Compaction Analysis, CityLots Apartment, for PT Duta Anggada, Jl. KH Mansyur - Jakarta
- 171) Dec 2006 - May 2007, Strain Gauges Supply, Installation and Interpretation (60nos of VWSG on three 1000mm dia bored piles), Gandaria Mixed Use Development Project, for PT Artisan Wahyu, Jl. Gandaria - Jakarta
- 172) Jan-Sep 2007, Sonic Logging Test, 77 bored piles; PIT test 140 bored piles, Gandaria Mixed Use Development Project, for PT Artisan Wahyu - Jl. Gandaria - Jakarta
- 173) Mar-Oct 2007, Soldier Pile Design Review, Supervision of Soldier Pile Construction - 180 bored piles - 1000 mm dia - 26m depth, Graha Bukopin Project, for KSO Tifa - PP, Jl. Embong Trengguli - Surabaya
- 174) June-July 2007, Sonic Logging Test, 7 bored piles; PIT test 3 bored piles, Kota Kasablanka, for PT Elite Prima Utama, Jl. Kasablanka - Jakarta
- 175) July 2007, PDA Test, 2 bored piles, Kota Kasablanka, for PT Elite Prima Utama, Jl. Kasablanka - Jakarta
- 176) Sep 2007, Break water design at Sunda Strait, Labuan, Banten, West Java, advisor to PT Wijaya Karya.
- 177) March 2008, Break water Stability and Consolidation Analysis, Sunda Strait, Labuan, Banten, West Java, for PT Wijaya Karya.
- 178) Apr 2008, Sonic Logging Test, 3 bored piles, dia 1000mm, 26 m depth, The Pakubuwono View, for PT. Bona Wijaya Gemilang, Jl. Teuku Nyak Arief, Jakarta, Indonesia.
- 179) Aug 2008, Sonic Logging Test, 7 bored piles, dia 1000mm, 30 m depth, Kota Kasablanka, for PT Elite Prima Utama, Jl. Kasablanka - Jakarta
- 180) Aug - Sep 2008, Sonic Logging Test, 10 piles, dia 800mm, 1000mm bored pile, 430 m depth, Cik Ditiro @1, for PT Dua Selaras, Jl. Teuku CikDitiro no 1, Jakarta, Indonesia.
- 181) July-Nov 2008, Design of Embankment Dam/Sheet pile for flood protection, Pantai Mutiara, for PT Dharmala Intiland, Pantai Mutiara Residential complex - Jakarta
- 182) Dec 2008 - Oct 2009, Advisor for the foundation of Jakarta Outer Ring Road, Jakarta Outer Ring Road from Puri to Cengkareng, Jakarta
- 183) May 2009, PIT Test on 3 Mini Bored piles, dia 500mm, 12m depth, Bukit Golf PB15 Residential Project - Pondok Indah, for PT Rematha, Jakarta.
- 184) Jun 2009, Cable Stayed Bridge Foundation Design Review, Muara Sabak Bridge for PT Perentjana Djaja Muara Sabak, Jambi
- 185) Sep-Dec 2009, Building Foundation Design 1 Park Residence, Gandaria, for PT Gandaria Permai Gandaria, Jakarta

- 186) Sep 2009, Soldier Pile Design for Ship Port - Preliminary, Dermaga Serongga, Serongga, South Kalimantan
- 187) Mar-Jun 2010, Bored Piling Supervision, Sonic Logging Test Supervision, Pile Loading Test Supervision, 1 Park Residence, Apartment, Gandaria, for PT Gandaria Permai Gandaria, Jakarta.
- 188) Jun-Dec 2010, Impact of Excavation on The Tilting and Cracking of a Four Stories Building, as geotechnical advisor to the damaged building, Cideng Timur 63, Jakarta, for PT Tiger Mandiri, Jakarta.
- 189) July-Sep 2010, Evaluation of Ground Settlement by Preloading with Vertical Drain, Bontang, for PT Pupuk Kaltim, Bontang, Kalimantan Timur.
- 190) Aug 2010, Pile Foundation Analysis for GS Fame Building at Pulo Mas Office Complex, 11 Stories building, Pacuan Kuda Pulomas, Jakarta, for PT Duta Anggada Inti Perkasa, Jakarta.
- 191) Oct 2010, Improvement of sugar factory foundation against differential settlement, leakage of an underground tunnel, corrosion of building structures, Cilegon, Banten, West Java, for PT Sentra Utama Jaya, Jakarta.
- 192) Oct 2010 - June 2011, Geotechnical Consultant for the development of Gading Serpong Lake View project, involving ground improvement and foundation design, Tangerang, West Java, for PT Summarecon.
- 193) Dec 2010 - Feb 2011, Design of shore protection system for Pantai Mutiara housing estate, Jakarta, for PT. Taman Harapan Indah, Jakarta.
- 194) Oct 2010- March 2011, Design of root piles (a kind of soil nailing) for stabilizing existing building against adjacent excavation, Cideng Timur 64, Jakarta, for PT. Pondasi Kisocon Raya, Jakarta.
- 195) Jan 2011, Review of Bridge Foundation Design, Jembatan Summarecon, Bekasi, Jakarta, for PT. Pola Agung, Jakarta.
- 196) Feb 2011, Bathymetry survey (surveying sea bed depths), Pantai Mutiara, Jakarta, for PT. Taman Harapan Indah, Jakarta.
- 197) July 2010 - Dec 2012, Geotechnical Instrumentation Advisor for PT. Gistek Prima Corp, Jatigede Dam, Jawa Barat.
- 198) June 2011, Geotechnical Consultation for designing Preloading with vertical drain, Riau Coal Fired Steam Power Plant Project 2x110MW, for PT Rekayasa Industri, Riau, Sumatra.
- 199) Sep 2011 - June 2013, Geotechnical Consultant for the development of Gading Serpong DANAU SELATAN project, from soil investigation planning and interpretation to the foundation recommendation, ground improvement by preloading with vertical drain, soil instrumentation and interpretation, Tangerang, West Java, for PT Summarecon.
- 200) Oct 2011 - Dec 2012, Geotechnical Instrumentation for monitoring Preloading with vertical drain, Riau Coal Fired Steam Power Plant Project 2x110MW, with PT. Geohub Entraco Prima for PT Rekayasa Industri, Riau, Sumatra.
- 201) July 2012, Design for JWL retaining wall system, Semarang Solo Toll Road, for JWL, Semarang, Central Jawa, Indonesia.
- 202) July 2012, Settlement Analysis of Residential Houses at Jalan Pluit Murni I, Jakarta Utara, by using 3D FEM, Jakarta.
- 203) Sep - Dec, 2012, Basement Failure Analysis and Redesign The Excavation for AJN Office Building, Jl. Cokroaminoto, Jakarta.
- 204) May 2012 - April 2013, Reclamation Design for De Breez project, Pantai Mutiara, for PT. Intiland, Jakarta.
- 205) Sep 2012 - July 2013, Reclamation Design for Global Ekabuana project, Pantai Mutiara, for PT. Global Ekabuana, Jakarta.
- 206) Jan 2013, Evaluation of Building Damage and Recommendation of Monitoring and Prevention Method of further Damage due to Adjacent Construction Activities, Hotel Tunjungan, Surabaya.
- 207) March - April 2013, Evaluation of Foundation Bearing Capacity Failures and Designing the Revise Foundation System, Tanjung Plaza and Horison Hotel Project, Tanjong Tabalong, South Kalimantan.

- 208) May 2013, Evaluation and certification of loading tests result for GS Fame office building at Pulo Gadung, Jakarta (for PT. Duta Anggada Realty).
- 209) May 2013 - Jan 2014, Determination of soil investigation, design of ground improvement scheme, and foundation system for housing complex at The Scientia, Gading Barat, Gading Serpong, Tangerang (for PT. Summarecon).
- 210) May - July 2013, Feasibility Study of Ground Improvement Method for North Industrial zone of PT. Pupuk Kalimantan Timur, Bontang, East Kalimantan (for PT. Pupuk Kalimantan Timur).
- 211) July 2013, Site Survey and Geotechnical Review of Slope Movement at HSBC Kemang Compound, South Jakarta (for HSBC Bank).
- 212) Sep 2013, Design Submission Review for Jakarta Building Authority (TPKB), Satrio Office Tower Project, Jl. Prof. Dr. Satrio, Jakarta (for PT. Mitra Pertala Perkasa).
- 213) Oct 2013 - Jan 2014, Geotechnical Advisor for the construction of bored pile and secant piles, GCNM Apartments Project, Jl. KH Mas Mansyur, Jakarta (for PT. Griyaceria Nusamekar- Lyman Group).
- 214) Oct 2013 - now, Geotechnical Advisor for PT Solefound Sakti, a Soil Investigation company, Jakarta.
- 215) Jan 2014 - June 2014, Geotechnical Instrumentation, Monitoring and Interpretation (ground improvement monitoring), for housing complex at Danau Medang, Gading Barat, Gading Serpong, Tangerang (for PT. Summarecon).
- 216) Jan 2014 - April 2014, Bored Piling supervision, PDA test supervision, GCNM / Casa Domaine Apartment Project, Jl. KH Mas Mansyur, Jakarta (for PT. Griyaceria Nusamekar- Lyman Group).
- 217) Mar 2014 - June 2014, Geotechnical Advisor, Jembatan Musi 2, Palembang, South Sumatra (for Hutama Karya and Public Work Department of Indonesia).
- 218) June 2014 - PIT test review, Casa Domaine Apartment, Jl. KH Mas Mansyur, Jakarta (for PT. Griyaceria Nusamekar- Lyman Group).
- 219) July 2014, Geotechnical Review and Advisory work, Jembatan Merah Putih, Ambon, for Direktorat jembatan, Direktorat Jenderal Bina Marga, Kementerian Pekerjaan Umum & Perumahan Rakyat., Indonesia.
- 220) July - October 2014 - Geotechnical Advisor for PT. Indopora on Bored Piling, Static Loading Test, PIT, PDA and Rapid Loading Test, Izzara Office Tower Project, Lebak Bulus, Jakarta.
- 221) Aug - Dec 2014 - Slope Stabilization by JWL system at Kawasan Industri Terpadu Indonesia China, Cikarang (as geotechnical consultant for PT. Ecolmantech).
- 222) Aug 2014 - Jan 2015 - Geotechnical Consultant for the supervision of Ground Anchor and Basement Excavation Work, Casa Domaine Apartment, Jl. KH Mas Mansyur, Jakarta (for PT. Griyaceria Nusamekar - Lyman Group).
- 223) Oct 2014 - Geotechnical Consultant for Soil Investigation Work at Proposed Nearshore Reclamation Area, Ancol, Jakarta (For PT. GWS Engineering, Bandung).
- 224) Oct - Dec 2014 - Review and Court Expert Witness for Settlement Induced Damages on Residential House of Greenville R23, Jakarta.
- 225) Nov 2014, Review on Soil Investigation Test Results for Slope Rehabilitation Work at Kariangau Development Project, Petrosea offshore Supply base, East Kalimantan (for PT. Petrosea)
- 226) Nov- Dec 2014 - Review of Sonic Logging Test on Bored Piles, Proposed Pertamina Energy Tower, Jakarta (for Tung Feng Construction Engineering (M) Sdn Bhd, Kuala Lumpur, Malaysia).
- 227) Jan - March 2015 - Soil Investigation Advisor and Design of Ground Improvement Work by PVD and Preloading, Gedebage, Bandung (For PT. Mahkota Permata Perdana, Summarecon Group).

- 228) Jan - May 2015 - Advisor for Geotechnical Geohazard Assesment for Gas Pipe Line, Grissik to Sakernan 136 km section, Sumatra (for PT. GWS Engineering).
- 229) Jan - Aug 2015 - Owner Advisor for the Supervision of Upper Structure Construction, Casa Domaine Apartment, Jl. KH Mas Mansyur, Jakarta (for PT. Griyaceria Nusamekar - Lyman Group).
- 230) June 2015 - Geotechnical Advisory Work for The Application of Plaxis Finite Element Software in designing Mechanically Stabilized Earth, Jakarta (for Maccaferri Indonesia).
- 231) June - Sep 2015 - Foundation Design on limestones formation for Skales Hotel and Apartment, Nusa Dua, Bali (for PT. Grahaparama Santosa).
- 232) July - Sep 2015 - Mechanically Stabilized Earth design for 10m to 37 m high man made slopes on clay shale formation, Pongtiku Airport, Makale, Tana Toraja, Central Sulawesi (for PT Indocitra Intiperkasa, the consultant of Air Transport Directorate of Indonesia).
- 233) July - Dec 2015 - Foundation and Ground Improvement Design by PVD and Preloading, for Residential Area Project at Maros, Makassar (for PT. Sinergi Mutiara Cemerlang, Summarecon Group).
- 234) August - Oct 2015 - Ground Improvement Design on Peaty and Soft Clay Ground by Prelaoding and PVD, for Runway, Taxiway, and Apron area of Tira Tangka Balang Airport, Murung Raya District, Central Kalimantan (for PT. Propera Consulting Engineer, the consultant of Air Transport Directorate of Indonesia).
- 235) March - August 2016 - Advisor on Ground Improvement Work by Soil Cement and Chemical Mixing, Gedebage, Bandung (For PT. Mahkota Permata Perdana, Summarecon Group).
- 236) August - Dec 2016 - Consultant for Ground Improvement Work by Conventional Preloading and Vacuum Preloading, Gedebage, Bandung (For PT. Mahkota Permata Perdana, Summarecon Group).
- 237) May - Dec 2016 - Geotechnical Investigation Guidance and Design of Reinforced Slope for a 10m to 42 m high man made slopes, Siau Airport, Siau Island, North Sulawesi (for PT. Penaraya Valensia).
- 238) June - Aug 2016 - Contiguous Bored Pile Design on limestones formation for Skales Hotel and Apartment, Nusa Dua, Bali (for PT. Grahaparama Santosa).
- 239) July - Sep 2016 - Design of earth dykes for shore protection by used of geosynthetic tubes, Pupuk Kalimantan Timur Factory, Bontang, East Kalimantan.
- 240) Aug - Sep 2016 - Advising evaluation of PIT test results at Comal Bridge A and B, Pemalang, Jawa Tengah. for Direktorat jembatan, Direktorat Jenderal Bina Marga, Kementerian Pekerjaan Umum & Perumahan Rakyat, Jakarta.
- 241) Sep 2016 - Feb 2017 - Geotechnical advisor for the foundation design and construction of Prosperity Apartment (31 Floor+2 basement), Jakarta Barat, for PT. Tritama Barata Makmur.
- 242) Oct - Dec 2016 - Geotechnical design of road and housing foundation on expansive soils, Karawang, Jakarta (for PT. Summarecon Agung Tbk.)
- 243) Oct 2016 - March 2017 - Geotechnical Investigation Determination and Analysis on rock formation, Fakfak Airport, Papua.
- 244) April 2017 - June 2017 - Design of Mechanically Stabilized Earch and Slope Stability issue for a 67 m high manmade slopes on rock formation, Fakfak Airport, Papua.
- 245) Jan 2017 - Oct 2017 - Geotechnical Advisor and consultant for the on going ground improvement by conventional and vacuum preloading and and pile foundation capacity, Gedebage, Bandung (For PT. Mahkota Permata Perdana, Summarecon Group).
- 246) June - July 2017 - Advising earth work of land preparation for Residential Area Project at Maros, Makassar (for PT. Sinergi Mutiara Cemerlang, Summarecon Group).

- 247) Oct 23, 2017 - Advisor for vacuum preloading work, at Pematang Panggang to Kayu Agung Toll Road (for Teknindo Geosistem Unggul and Utama Karya).
- 248) Oct - Dec 2017 - Contractor (PT. Subota) geotechnical advisor for the construction of Hybrid Mechanically Reinforced Earth for Siau Airport, North Sulawesi.
- 249) Oct - Nov 2017 - Re-evaluation and re-design of tank foundation. Original pile capacity below design capacity - 50m diameter-20,000 kL tank (for PT. Patra Badak Arun Solusi), Banyuwangi, East Java.
- 250) Jan 5-10, 2018 - Geotechnical Advisor and consultant for the prediction on the possibility of pile negative friction on area that has been improved by preloading for Plaza Summarecon, Gedebage, Bandung (For PT. Mahkota Permata Perdana, Summarecon Group).
- 251) Sep 2017 - Jan 2018 - Geotechnical design of ground improvement system on soft soils, for Tira Tangka Balang Airport at Murung Raya - Central Kalimantan (for PT Penaraya Valencia, Project owner: Dinas Perhubungan Kabupaten Murung Raya).
- 252) Feb - Mar 2018, Advising Palm Oil Tank Pile bearing capacity evaluation at Bearang palm oil factory, Pulau Pisau, Central Kalimantan (for PT. Wellindo).
- 253) June 2018, Advising Earth Retaining Structure design proposal for bridge approach of Jakarta-Cikampek tol road, (for PT. Fressynet Total Technology).
- 254) July 2018, Geotechnical advisor for Vacuum Preloading effect on adjacent bridge abutment, Trans Sumatra, Palembang section, STA 183 (For PT. Teknindo Geosistem Unggul).
- 255) August-September 2018, Diaphragm wall evaluation for 9 level deep basement excavation (53 floor building) top down construction Finite element program, Wisma Sudirman, Jl. Jendral Sudirman, Jakarta (for Woh Hup Singapore).
- 256) August-September 2018, Design of Ramp Foundation for Parking Building, Puri The Lotus (31 floor+2 basement), Puri Indah, Jakarta (for PT. Tritama Barata Makmur, Jakarta).
- 257) August 2018 - March 2019, Geotechnical Advisor on Court Case of alleged foundation construction failure at Padang Condotel Project, Padang, West Sumatera (for PT. Berdikari Pondasi Perdana).
- 258) September 2018, Geotechnical advisory on the development of road construction to a coal mining sites at Central Kalimantan (for PT. Sinar Deli, Jakarta).
- 259) September 2018, Analysis on slope failures on the vertical drains improved sections at Balikpapan Samarinda toll road development (for PT. Teknindo Geosistem Unggul, Surabaya).
- 260) October 2018 - May 2019, Diaphragm wall evaluation for 3 level basement excavation by finite element program, The Stature, Kebun Sirih, Jakarta (For Woh Hup Singapore and Acset JO).
- 261) Dec 17, 2018, Soil Investigation Report for Pasar Rebo 12 floors apartment, Jalan Raya Bogor, West Java (for PT. Soledound Sakti).
- 262) Jan 15, 2019, Soil Investigation Report for Cibitung, Bekasi, West Java (for PT. Soledound Sakti).
- 263) Jan 24, 2019, Soil Investigation Report for 8 floor building at Jalan Kebon Jeruk Raya, West Jakarta (for PT. Soledound Sakti).
- 264) Jan 29, 2019, Soil Investigation Report for 15 floor + 3 level basement building at Cipulir, Jakarta (for PT. Soledound Sakti).
- 265) Dec 2018 - March 2019, Slope Stabilization Analysis at Mega Indah Kav H-28, Puncak, West Java for Yayasan Dhammavihari.
- 266) March 2019-May 2019, Impact of dewatering and excavation of 3 level basement excavation by finite element program (Plaxis) to the adjacent building, The Stature, Kebun Sirih, Jakarta (For Woh Hup Singapore and Acset JO).

- 267) August 2019 - October 2019, Retaining wall and shallow foundation design at Mandapa Land Bank Resort, Ubud, Bali. 2D Finite element evaluation (for PT. Sukses Primatama Bersama).
- 268) September 2019, Advicing and evaluating groundwater tank excavation method at TigerMandiri Pratama Office Building, Cideng Timur No.63, Jakarta (for PT. TigerMandiri Pratama).
- 269) September 2019 - now, Design and advicing cut and fill proces and foundation system for Summarecon Gunung Geulis Bogor residential, Gunung Geulis, Bogor (For PT. Summarecon).
- 270) Soil investigation report evaluation for PT. Solefound Sakti for the following projects:
- 5-Mar-19 Simprug Signature Office, 15 stories building + 3 level basement, Ciledug Raya no 125, Kebayoran Lama, Jakarta Selatan.
  - 5-Mar-19 Astra Politeknik & Manufakturing Tahap II, 7 stories + 1 Basement, Jalan Gaharu Delta Mas, Cikarang.
  - 29-Apr-19 Deltamas Service Apartment, Deltamas, Cikarang.
  - 29-Apr-19 Dormitory blok B6, Gedung 10lt, BSD Serpong, Tangerang.
  - 29-Apr-19 Rumah Tinggal Pasir Angin, Jl. Pasir Angin, Ciawi Bogor.
  - 21-Jun-19 Stone Crusher Plant Area, Cariu, Bogor.
  - 21-Jun-19 Conveyer Foundation, Cariu, Bogor.
  - 22-Jul-19 Hotel EMC 5 lantai + 1 Basement, Sentul, Bogor.
  - 26-Aug-19 Apartemen 12 lantai + town house 2-3 lantai, Sentul Victoria, Sentul City.
  - 20-Sep-19 Hotel Novotel + Hotel Ibis, Yogyakarta, Int. Airport, Kulonprogo, Yogyakarta.
  - 26-Aug-19 Gedung Office 7 lantai + basement, Taman Kemang 2 no 16, Jakarta Selatan.
  - 20 Sep - 15 Nov, Rusunawa-Cilangkap-3 towers, 24 Fl+1basement, 32FL+2 Basement, Cilangkap, Jakarta Timur.
  - 15-Nov-19 Gedung BPR 7 lantai, Ciawi, Bogor.
  - 5-Dec-19 Pengembangan Kawasan Baru Industri, Subang City, Jawa Barat.
  - 5-Dec-19 Kampus UNJ Rawamangun, Gedung Kuliah Universitas Negeri Jakarta 10 lantai, Jakarta Timur.
  - 5-Dec-19 Pusat Perbelanjaan & Hunian, Le Trees Sawangan - 18 lt + 3 basement, Jalan Mukthar Raya, Depok, Sawangan.
  - 5-Dec-19 Gedung Office, Retail & Senior Club (2 basement+12 lantai, Jl. Pluit Raya No 10 - 12, Jakarta Utara.
- 271) Jan 8 to Feb 10, 2020, Vacuum Preloading at Jalan Tol Pematang Panggang - Kayu Agung - STA 151+950, evaluation on post vacuum preloading short term and long trem factor of safety, estimating the long term settlement whether it fulfill the criteria of not exceeding 10mm in 10 years time (for PT. Teknindo Geosistem Unggul).
- 272) Jan 8 to Feb 10, 2020, Vacuum Preloading at Jalan Tol Pematang Panggang - Kayu Agung - STA 109+025, Post vacuum preloading evaluation, finding the causes of longitudinal crack that occurred along the pavement, Analyze and give estimate the magnitude of settlement 10 years after the highway is completed, whether it satisfied the criteria of 10 mm settlement in 10 years. Analyze the short term and long term safety factor (for PT. Teknindo Geosistem Unggul).
- 273) April 2019 - March 2020, Finite element analysis for Foundation and Settlement evaluation of 35 storey and 3 level basement Mega Kuningan Hotel Tower, Kuningan, Jakarta (for Haerte Widya Consulting Engineers).
- 274) March 31 to May 17, 2020, Analisis and Proposed Sheetpile Reinforcement for Shore Protection at EPC Relocation Flare BPP-II and

New Flare HCC RDMP RU V at Pertamina Balikpapan (for KSO Adhi- Rekin, Balikpapan, East Kalimantan).

## **F. Professional Organisation Membership**

1. Southeast Asian Geotechnical Society - SEAGS - Life member
2. Indonesian Geotechnical Engineer Association - IGEA  
(Himpunan Ahli Teknik Tanah Indonesia - HATTI)  
year 2004-now serve as Vice Chairman for Jakarta Chapter
3. Indonesian Chapter of The International Geosynthetic Society - INA IGS  
Since August 2006 serves as President for The Indonesian Chapter of IGS
4. He had also involved in the Technical Committee of The International Society of Soil Mechanics and Foundation Engineering for:
  - Pressuremeter Testing (1994)
  - Mitigation of Rain Induced Slope Failure (1995)
  - Difficult Soft Soil Condition (2015)

## **G. Seminar, Conference and Course**

1. 2nd Conf. on Road Eng., by IRDA (HPJI), Bandung, Dec. 10-12, 1984.
2. "Failure on Structure and its Protection", by Parahyangan Catholic Univ., Bandung, May 3-4, 1985.
3. "Safety, Fire Protection and Energy Management in High Rise Building", Hilton Hotel, Jakarta, May 7, 1985.
4. 3rd Indonesian Conf. on Geotech. Eng., by IGEA (HATTI), Hilton Hotel, Jakarta, Nov. 22-23, 1985.
5. Soil Mechanic Short Course by G. Sanglerat, by University of Indonesia (UI) & École Centrale de Lyon, YTKI Building, Jakarta, Febr. 16-20, 1987.
6. "Geotechnical Challenges in Urban and Rural Development on Poor Soil Conditions", by Prof. A.S. Subramaniam, AIT and Dept. of Public Works, Jakarta, June 19, 1987.
7. "IGEA - JSSMFE Joint Symp. on Soft Soil in Constr. and Deep Foundation", by IGEA (HATTI) and JSSMFE, Jakarta, August 24-25, 1987.
8. Short Course on Ground Improvement - Appl. to Indonesian Soft Soils, by AIT and Indonesian Christian Univ. (UKI), Jakarta, August 23- 26, 1988 (also as a speaker).
9. "Geotechnical Engineering on Soft Soils", Seminar, by Bandung Institute of Technology (ITB), Bandung, July 4-5, 1989 (also as a speaker).
10. International Symp. on Erosion and Volcanic Debris Flow Tech., by IAHS, Ministry of Public Works and Ministry of Mining and Energy, Yogyakarta, July 31 - August 2, 1989.
11. Seminar on The Application of Nucleonic Techniques to Civil Eng. for The Measurement of Moisture Content and Density, by BATAN-UNDP-INKINDO-HATTI-HAKI, Jakarta, August 14-15, 1989.
12. Seminar on Foundation Design Alternatives for Soft Soil, by UI and IGEA (HATTI), Jakarta, Sept. 1989.
13. The Use of Micro-computer in Geotechnical Engineering, workshop, by UI and Nanyang Tech. Inst. (Dr. Wong Kai Sin), Jakarta, Sept. 12-14, 1989.
14. Seminar on The Role of Bentonite in Development, by Dept. of Public Work and PT. Indoben, Jakarta, Sept. 18, 1989.
15. International Symp. on Trial Embankments on Malaysian Marine Clays, by Malaysian Highway Authority -The Institution of Engineers of Malaysian and SEAGS, Kuala Lumpur, Nov. 6-8, 1989.
16. Fourth Indonesian Conference on Geotechnical Engineering, by IGEA (HATTI), Bandung, Febr. 26-27, 1990 (also as a speaker).

17. Second South Sumatra IGEA (HATTI) Seminar, by IGEA South Sumatra Chapter, Palembang, May 31, 1990 (also as a speaker).
18. One Day Seminar On Reinforced Embankments - Theory and Practice, by IGEA (HATTI), July 2, 1990 (also as a speaker).
19. Piletalk International'90 (4th Presentation), CI Premier, Jakarta, July 4-5, 1990 (also as a speaker).
20. The 2nd Short Course and Seminar on Ground Improvement - Mechanically Stabilized Earth and Its Application, Universitas Kristen Indonesia, Jakarta, August 21-24, 1990 (also as a speaker).
21. 4th Annual Conf. on Road. Eng., by IRDA (HPJI), Jakarta, Nov. 19-21, 1990 (also as a speaker).
22. Seminar on Eng. for Coastal Development, by IGEA (HATTI) and Japan Kozai Club , Jakarta, Sept. 11-12, 1990.
23. Akzo Partner Symposium, by Akzo Ind. Sys. bv., Bali, Sept. 25-28, 1990.
24. Seminar on The Application of Geosynthetics for Ground Improvement, by Univ. Hassanudin and Public Work Dept. of South Sulawesi, Ujung Pandang, Dec. 1, 1990 (also as a speaker).
25. Geotechnical Discussion on Testing Procedures and Soil Engineering Properties, by UKI and Univ. of Auckland, Jakarta, Dec. 3-4, 1990.
26. Second Seminar on Eng. for Coastal Development, by IGEA (HATTI) and Japan Kozai Club , Jakarta, Sept. 19-20, 1991.
27. One Day Seminar on The Application of New Techniques to Solve Deep Basement and Foundation Problems, by IGEA (HATTI) and Tarumanagara University, Jakarta, October 14, 1991 (also as a speaker).
28. One Day Seminar on The Ground Improvement Technology, by Petra Christian University, Surabaya, October 24, 1991 (also as a speaker).
29. 9th Asian Regional Conf. on Soil Mech. and Found. Eng., Bangkok, December 9-13, 1991 (also submitting paper).
30. One Day Seminar on The Design, Construction and Excavation Associated With Piling in Soft Clay, by IGEA (HATTI), Jakarta, April 19, 1992.
31. The International Symposium on Geosynthetic Technology, by INA-IGS, November 23-24, 1992, Jakarta as Organising Committee (also as a speaker).
32. Geotechnical Discussion on Excavation and Dewatering Problems in Jakarta (GEO'92), by UKI and Univ. of Auckland, Jakarta, December 1, 1992 (also as a speaker).
33. Short Course on Pile Foundation'92, by IGEA (HATTI) and MBT, Jakarta, December 14-16, 1992 (as a lecturer).
34. A Course on Recent Development in Foundation Analysis and Design, Imperial College, University of London, London, April 20-23, 1993.
35. A Short Course on Interpretation of Soil Parameter and Soil Behaviour for Foundation Design, by IGEA (HATTI) and MBT, Jakarta, July 19-21, 1993 (as a lecturer).
36. A Lecture on Design and Implementation Aspects of Top Down Construction Method, Indonesian Society of Structural Engineers, Jakarta, August 2, 1993.
37. First Annual Geotechnical Gathering (Pertemuan Ilmiah Tahunan I - HATTI), by IGEA (HATTI), Jakarta, November 17-18, 1993, as Organizing Committee (also as a speaker).
38. XIII Int. Conference on Soil Mechanics & Foundation Engineering, New Delhi, India, January 5-10, 1994.
39. Symposium on Developments in Geotechnical Engineering (From Harvard to New Delhi, 1936-1994), by Southeast Asian Geotechnical Society, Bangkok, Thailand, January 12-16, 1994.
40. 5th Int. Conf. on Geotextiles, Geomembrane and Related Products, by IGS, Singapore, Sept. 5-9, 1994.
41. 5th Indonesian National Conference on Geotechnical Engineering, by IGEA (HATTI), Jakarta, Sept. 20-22, 1994 (as organizing committee also as a speaker).

42. 10th Asian Regional Conference on Soil Mech. & Found. Eng., Beijing, Aug. 29-Sept.2, 1995.
43. Bengt B. Broms Symposium on Geotech. Eng., Nanyang Technological University, Singapore, Dec. 13-15, 1995.
44. Third Annual Geotechnical Gathering (Pertemuan Ilmiah Tahunan III - HATTI), by IGEA (HATTI), Jakarta, April 23-24, 1996.as Organizing Committee (also as a speaker).
45. Second Int. Conf. on Ground Improvement Geosystems, Grouting and Deep Mixing, IS Tokyo '96, Tokyo, May 14-17, 1996, by Japan Society of Soil Mechanics and Foundation Engineering (JSSMFE).
46. Seminar on Foundation Design & Improvement Techniques in Difficult Ground, Surabaya, July 10-11, 1996 (also as a speaker).
47. Short course on Foundations Problems'96, by IGEA (HATTI), Jakarta, Dec. 9-10,1996 (also as a lecturer).
48. Short course on Finite Element Analysis and The Application of Sage Crisp, Asian Institute of Technology, Bangkok, February 1-5, 1997.
49. XIV Int. Conference on Soil Mechanics & Foundation Engineering, Hamburg, Germany, ISSMGE, September 6-12, 1997.
50. 30th Year Anniversary Symposium of The Southeast Asian Geotechnical Society. Deep Excavations, Ground Improvements and Tunnelling, Bangkok, Thailand, November 3-7, 1997 (presenting a paper).
51. Ground Improvement'97, a Seminar by IGEA (HATTI), December 1-2, 1997 (as organizing committee and as a speaker).
52. International Symposium on Infrastructure Development, Manila, February 19-21, 1998, by University of the Philippines & Tokyo Institute of Technology (as a speaker).
53. International Course for Computational Geotechnics (Plaxis), Nov 29 - Dec 2, 1999, Plaxis bv and Universitas Katolik Parahyangan Bandung, Indonesia (as a lecturer).
54. Tunneling 2000, Short course and seminar, April 7-8, 2000, Universitas Katolik Parahyangan, Bandung, Indonesia (as a speaker).
55. The Indonesian Geotechnical Annual Conferance (Pertemuan Ilmiah Tahunan), November 22-23, 2000, Century Hotel, Jakarta, Indonesia.
56. Seminar on The Advancement & Trend in Soil Structural Engineering in The Third Millennium, Mulia Hotel, Jakarta, Indonesia, March 7, 2001 (as a speaker).
57. Seminar on Subway Construction and Its Problem as an Alternative Transportation, Universitas Pelita Harapan, Jakarta, Indonesia, August 29, 2001 (also as a speaker).
58. 6th Indonesian National Conference on Geotechnical Engineering, by IGEA (HATTI), Horison Hotel, Jakarta, Aug 11-13, 2003 (as organizing committee and also as a speaker).
59. Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), University of Indonesia, Depok, Jakarta, August 3-4, 2004 (as a speaker).
60. Plaxis Short Course, May 17-18, 2005, University of Indonesia, Jakarta, Indonesia (as a lecturer).
61. Seminar on Tunnelling Technique, March 22, 2005, by University of Trisakti, Hotel Peninsula, Jakarta (as a speaker).
62. One day Seminar on Recent Developments on Mitigation of Natural Disaster, Urban Transportation and Construction Industry, Dec 2, 2005, Alumni Association of Asian Institute of Technology, Century Hotel, Jakarta.
63. Half Day Seminar on Reinforced Earth and Deep Excavation Technique, Dec 15, 2005, Bina Nusantara University, Jakarta (as a speaker).
64. Short Course on Foundation Problems, Dec 20-21, 2006, by IGEA (HATTI) and MBT, Kartika Chandra Hotel, Jakarta (as lecturer).
65. One day Seminar on The Application of Geosmart AGS Software and DC Foundation Geotechnical Software, March 24, 2006, by Bina Nusantara University, Jakarta (as a speaker).

66. One Day Seminar of INA-IGS on Road Construction in Indonesia with Special Reference to The Role of Geosynthetics, April 6, 2006, by INA IGS and Bina Nusantara University, Hotel Marriot, Jakarta (as organising committee and speaker).
67. Plaxis Advance Short Course, April 17-19, 2006, Phuket, Thailand.
68. A short Course Finite Element Software Application in Geotechnical Engineering - Plaxis, May 30-June 1, 2006, Universiti Institut Teknologi Mara, Kuala Lumpur, Malaysia (as sole lecturer - for engineers).
69. One day Seminar on Recent Development on The Application of Cement in Geotechnical Engineering, Sep 12, 2006, Institut Sains Teknologi Nasional (ISTN), Indocement and HATTI, Manhattan hotel, Jakarta (as speaker).
70. Technical Meeting, Soil Parameters for Designing with Geosynthetics, September 12, 2006, INA-IGS and Bina Nusantara University, Universitas Bina Nusantara, Jakarta (as chairman of INA-IGS)
71. Plaxis Standard Short Course, Dec 11-13, 2006, Universitas Bina Nusantara, Jakarta (as lecturer - for engineers).
72. Technical Meeting, Vertical Drain Design and Case Histories, April 23, 2007, INA-IGS and Bina Nusantara University, Universitas Bina Nusantara, Jakarta (as lecturer - for engineers)
73. A short Course Finite Element Software Application in Geotechnical Engineering - Plaxis, May 14-16, 2007, Universiti Teknologi Malaysia, Johor, Malaysia (as sole lecturer - for engineers).
74. Plaxis Short Course, July 16-17, 2007, Jakarta, Indonesia (as sole lecturer - for engineers).
75. Geotechnical Short Course (Soil Classification, Compaction, Effective Stress, Permeability and Seepage, Flownet-isotropic and anisotropic, Shear Strength and Stress Strain behaviour of soil), Dec 17-19, 2007, Jakarta, Indonesia (as sole lecturer - for engineers).
76. Geotechnical Short Course (Settlement, Earth Pressure, Slope Stability) and Plaxis Short Course, Mar 12-14, 2008, Jakarta, Indonesia (as sole lecturer - for engineers).
77. Plaxis Short Course, Mar 12 -13, 2009, Jakarta, Indonesia (as sole lecturer - for engineers).
78. A short course on Geotechnical Instrumentation, Settlement Analysis and The Application of Vertical Drains, May 28-29, 2009 (as sole lecturer - for engineers).
79. Workshop on Computational Geotechnic (Plaxis 2D, Dynamic Analysis, 3D Foundation and GEO5 softwares), August 27-28, 2009, Jakarta, Indonesia (as sole lecturer - for engineers).
80. A Geotechnical Course on The Specification, Execution and Quality Assurance of Deep Foundation, June 25-26, 2009, Jakarta, Indonesia (as sole lecturer - for engineers).
81. Ground Improvement Course for Engineers (Vertical Drains, Dynamic Compaction/Dynamic Consolidation, Vibro Compaction/Vibroflotation, Stone Column, Jet Grouting), 03-04 December 2009, Jakarta, Indonesia (as sole lecturer).
82. Geotechnical Course for Engineers on Shear Strength, Stress Strain Behavior of Soils and Earth Pressures (including earthquake analysis), 18-19 Feb 2010, Jakarta, Indonesia (as sole lecturer).
83. Workshop on Computational Geotechnic (Plaxis 2D, Dynamic Analysis, 3D Foundation and GEO5 softwares), 23-26 March 2010, Jakarta, Indonesia (as sole lecturer - for engineers).
84. Plaxis in house Training for Practicing Engineers, Apr 5-7, 2010, for engineers of PT Wijaya Karya, Jakarta (as lecturer).
85. Soil Mechanics Short Course, June 14-16, 2010, Jakarta, Indonesia (as sole lecturer - for engineers).
86. Tunneling and Soil Instrumentation Short Course, June 16-17, 2010, Jakarta, Indonesia (as sole lecturer - for engineers).

87. Settlement Problem and Ground Improvement Method, A Short Course for Engineers, August 3-5, 2010, Jakarta, Indonesia (as sole lecturer).
88. Plaxis Standard Course, A short course for Engineers, Oct 26-28, 2010, Jakarta (as sole lecturer).
89. Settlement, Earth Pressure and Slope Stability, A Short Course for Engineers, Nov 30 - Dec 2, 2010, Jakarta (as lecturer together with Michael Dobie of Tensar International).
90. Computational Geotechnical Course using Plaxis and Geo 5, A short course for Engineers, Jan 17-19, 2011, May 18-20, 2011, Sep 21-23,2011 Jakarta (as sole lecturer)
91. Dewatering, A Short Course for Wijaya Karya's Engineers, Feb 23, 2011, Jakarta (as lecturer).
92. Advance Plaxis Course, March 22-25, 2011, July 11-13, 2011 Jakarta (as sole lecturer.)
93. A Short Course on Pile Foundation Design and Dewatering Method, April 27-28, 2011, a course for engineers, Jakarta (as sole lecturer).
94. Soil Mechanics and Geotechnical Engineering: Challenges and Soilutions, 14<sup>th</sup> Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Hong kong, China, 23-27 May 2011.
95. A short course on Geotechnical Engineering from Soft Soil Investigation, Soil Compaction, Effective Stress, Permeability, Seepage and Shear Strength of Soils, July 6-8,2011, Jakarta (as lecturer together with Michael Doebie from Tensar International).
96. A Short Course on Earth Pressures, Slope Stability, Deep Excavation, and Liquefaction Analysis, August 10-12, 2011, Jakarta (as sole lecturer).
97. A Short Course on the Application of Plaxis, Geo5 and DC Foundation in Geotechnical Engineering, Sep 21-23,2011, Jakarta (as sole lecturer).
98. A Short Course on Ground Improvement, liquefaction & Soil Instrumentation, Oct 19-21, 2011, Jakarta (as sole lecturer).
99. Seminar Nasional dan Pameran Kegagalan Struktur dan Geoteknik, Surabaya, Oct 5, 2011, Institut Teknologi Sepuluh November, HAKI dan HATTI.
100. A Short Course on Shallow Foundation and Pile Foundation; Design, Execution, Instrumentation and Testing, Jan 16-18, 2012 (as sole lecturer).
101. 15<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan XV HATTI), by IGEA (HATTI), Melia Purosani Hotel, Jogjakarta, Indonesia, Feb 10-11, 2011.
102. A Short Course on Soil Mechanics and Its Application, Feb 22-24, 2012 (as sole lecturer).
103. A Short Course on Plaxis Application - Intermediate Level. Feb 27-28, 2012, (as sole lecturer).
104. A Short Course on Pile Dynamic Analysis, Pile Integrity Testing and CHUM (Cross hole Sonic Logging), in house training for Public Work Department Mar 1-3,2012 (as sole lecturer).
105. A Short Course Slope Stability, Deep Excavation and Dewatering. Mar 26-28, 2012 (as sole lecturer).
106. A Short Course on The Application of Plaxis and Geo5 in solving Geotechnical Problem, April 24-26, 2012 (as sole lecturer).
107. A Short Course on Mitigating Soil Settlement and Liquefaction Potential by Suitable Ground Improvement Method, May 28-30,2012, (as sole lecturer).
108. Plaxis in house Training for Practicing Engineers, in house training for Adhi Karya, June 4 - 6, 2012.
109. Workshop on The State of The Art of In-situ Soil Testings and Case Histories in Indonesia, Universitas Pelita Harapan, Karawaci, June 18, 2012.
110. International Symposium on Sustainable Geosynthetics and Green Technology for Climat Change, Bangkok, June 20-21, 2012, by Asian Institute of Technology, Southeast Asia Geotechnical Society, International Geosynthetics Society.

111. Plaxis Seminar and Workshop (Plaxis 3D), June 27-29, 2012, Binus University (as sole lecturer).
112. Shallow Foundation and Pile Foundation; Design, Execution, Instrumentation and Testing, July 5-7, 2012 (as sole lecturer).
113. Soil Mecahnics for Residual and Sediment Soil Seminar, Binus University, Jakarta, Sep 19, 2012 (as speaker)
114. Workshop on Deep Foundation Dynamic Testing and Analysis, Jakata, Sep 24-25, 2012, Himpunan Ahli Teknik Tanah Indonesia (HATTI) dan Pile Dynamics Inc.
115. Operation of Pile Driving Analyzer, PDA-W and CAPWAP, Jakarta Sp 25-26, 2012, by Pile Dynamics Inc.USA.
116. Geotechnical Engineering and Geo5 Software, Sep 27-28,2012 (as sole lecturer).
117. Plaxis Application. A training for Plaxis users, Oct 1-3,2012 (as sole lecturer).
118. Plaxis Application for Beginners, Nov 12-14,2012 (as sole lecturer)
119. 16<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Borobudur Hotel, Jakarta, December 4-5, 2012.
120. Simposium Kegempaan dan Ketahanan Gedung di DKI Jakarta Terhadap Gempa, Jakarta 17 Des 2012, Pusat Penelitian dan Pengembangan Pemukiman, Kementerian Pekerjaan Umum.
121. A short course on Geotechnical Earthquake Engineering, Jan 23-25,2013 (as sole lecturer).
122. A short course on Ground Improvement Techniques, Feb 26-28,2013 (as sole lecturer).
123. A Workshop of Plaxis Application for Beginners, Mar 5-7,2012 (as sole lecturer).
124. A short course on Pile Foundation Design, Construction, and Quality Control Tests(PIT, PDA, Sonic Logging, Kentledge, O-cell), April 24-26, 2013.
125. 18<sup>th</sup> Southeast Asian Geotechnical Conference, Singapore, May 29-31, 2013.
126. Pile 2013 (international symposium), Bandung, June 2-4, 2013, Univ. Katolik Parahyangan and HATTI.
127. One Day Seminar on Geosynthetic Application in Environmal Geotechnics, Jakarta, June 20, 2013, by PT. Tetrasa Geosinindo, Tencate & Solmax.
128. 18<sup>th</sup> Int. Conf. on Soil Mechanics and Foundation Engineering, Paris, France, Sep 2-6, 2013.
129. Seminar of Plaxis modelling in 2D and 3D, Jakarta, Oct 22-24, 2013, Bina Nusantara University, as lecturer.
130. 17<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Borobudur Hotel, Jakarta, November 13-14, 2013.
131. One Day Workshop on Ground Improvement for Difficult Subsoil Condition, by IGEA (HATTI), Borobudur Hotel, Jakarta, November 14, 2013 (as Instructor)
132. Seminar on Customized Steel Sheet Piling and Combined Wall Solutions in Waterfront Structures & Deep Excavation, Bandung, Nov 7, 2013, by Oriental Sheet-Piling & Arcelor Mittal.
133. Seminar on Deep Excavations, Jakarta, 4 Des 2013, Universitas Katolik Parahyangan, as keynote speaker.
134. Plaxis Standard Workshop, as lecturer, Jakarta, Dec 11-13, 2013.
135. Plaxis Standard Workshop, as lecturer, Jakarta, Dec 11-13, 2013.
136. Plaxis and Geo5 Workshop, as lecturer, Jakarta, Feb 25-27, 2014.
137. First Indonesian Plaxis Users Meeting, The Application of Plaxis in Solving Various Geotechnical Problems in Indonesia, as speker and committee chair, Jakarta Design Center, Jl. Jendral Gatot Subroto kav. 53., Petamburan, Jakarta, April 17,2014.
138. Plaxis Advance Workshop, as sole lecturer, Jakarta, May 19-21, 2014.
139. Pile Dynamic Workshops, as speaker and participant, Universitas Katolik Parahyangan, Bandung, June 16-17, 2014.

140. Plaxis and Geo5 Workshop, as lecturer, Jakarta, July 14-16, 2014.
141. Pile Foundation Workshop, as lecturer, Jakarta, August 22-24, 2014.
142. Plaxis 3D workshop, as lecturer, Jakarta, September 22-24.
143. Southeast Asia Conference on Soft Soils Engineering and Ground Improvement, as speaker and committee member, Universitas Katolik Parahyangan Bandung and Universiti Tun Hussein Onn Malaysia, Bandung, October 20-23, 2014.
144. 18<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan XVIII - HATTI), as speaker and participant, by IGEA (HATTI), Bidakara Hotel, Jakarta, November 11-12, 2014.
145. International Conference on Landslides and Slope Stability, as speaker, participant and committee member, Universitas Katolik Parahyangan and Indonesian Research Agency (LIPI), Bali, September 27-30, 2015.
146. 15<sup>th</sup> Asian Regional Conference on Soil Mechanics and Foundation Engineering, as speaker and participant, by ISSMGE and JSSMGE, Fukuoka, Japan, November 9-12, 2015.
147. 10<sup>th</sup> Indonesian Geotechnical Conference and 19<sup>th</sup> Annual Scientific Meeting, by IGEA (HATTI), as speaker and participant, Bidakara Hotel, Jakarta, November 24-25, 2015.
148. Plaxis 2D Workshop, as lecturer, Jakarta, December 7-8, 2015.
149. Geosynthetics for Infrastructure Projects, Indonesian Geosynthetics Conference 2016, by Indonesian Chapter of International Geosynthetics Society, as keynote speaker, committee member and participant, Hotel Atlet Century, Jakarta, May 10, 2016.
150. A Pre-conference Workshop on Application of CPTu on Problematic Soils, as participant, by Parahyangan Catholic University Bandung and Universiti Tun Hussein Onn Malaysia, as participant Bandung, September 26, 2016.
151. An International Conference on Problematic Soils, Integrated Solution on Problematic Soils, Soft Soils 2016, by Parahyangan Catholic University Bandung and Universiti Tun Hussein Onn Malaysia, as invited lecturer and participant, Grand Royal Panghegar Hotel, Bandung, September 27-28, 2016.
152. Workshop on Continuing Professional Development (CPD) of Geotechnical Expert, as speaker, by Direktorat Jendral Bina Konstruksi, Public Work Department of Indonesia, Hotel Ambhara, Jakarta.
153. 5<sup>th</sup> Geotalk, Draft of Indonesian Geotechnical Standard on Tunnelling and Ground Improvement, by IGEA (HATTI), as speaker, Jakarta Design Center, Jakarta, October 21, 2016.
154. 6<sup>th</sup> Asian Regional Conference on Geosynthetics, as speaker and participant, November 8-11, 2016, New Delhi.
155. 20<sup>th</sup> Annual Scientific Meeting of Indonesian Geotechnical Engineers, as participant, by IGEA (HATTI), Bidakara Hotel, Jakarta, November 15-26, 2016.
156. Socializing Indonesian Standard on Geotechnic, as speaker, by IGEA (HATTI), Hotel Neo, Semarang, February 4, 2017.
157. Geotechnical Problem in Indonesia, a geotechnical symposium in the memory of Prof. Dr. Ir. Djoko Soelarnosidji, MCE, as speaker, Universitas Katolik Parahyangan, Bandung, July 15, 2017.
158. 50<sup>th</sup> Anniversary Celebration of the Southeast Asian Geotechnical Society, as invited lecturer, Asian Institute Technology, Bangkok, Sep 14-15, 2017.
159. 19<sup>th</sup> International Conference on Soil Mechanics and Geotechnical Engineering, as speaker and participants, Seoul, Sep 17-22, 2017.
160. International Conference on Pile 2017 - Advancement of Pile Technology and Pile Case Histories, as speaker and participants, by Universitas Katolik Parahyangan, Bali, September 25-27, 2017.
161. Educate the Educator Program on Geosynthetics, as speaker, by Indonesian Chapter of International Geosynthetics Society, Century Hotel, Jakarta, October 2, 2017.
162. Geosintetik Indonesia 2017 seminar on Quality in Construction using Geosynthetics; as co-author, paper reviewer, committee member and

- participant, by Indonesian Chapter of International Geosynthetics Society, Century Hotel, Jakarta, October 3, 2017.
163. 21<sup>th</sup> Annual Scientific Meeting of Indonesian Geotechnical Engineers, as speaker and participant, by IGEA (HATTI), Bidakara Hotel, Jakarta, November 7-8, 2017.
  164. International Symposium on Geotechnics of Transportation Infrastructure (ISGTI 2018), April 7-8, 2018, as speaker, IIT Delhi, New Delhi, India.
  165. International Conference on Geotechnics, 24-26 July, 2018 Yogyakarta, Indonesia (as Invited Speaker).
  166. 11<sup>th</sup> International Conference on Geosynthetics, 16-20 September, 2018, Seoul, Korea (as Speaker).
  167. 20<sup>th</sup> Southeast Asian Geotechnical Conference, 3<sup>rd</sup> AGSSEA Conference in Conjunction with 22<sup>nd</sup> HATTI Annual Scientific Meeting, 5-8 November 2018, Pullman Hotel, Jakarta (as committee member and speaker).
  168. The 2<sup>nd</sup> Conference for Civil Engineering Research Network 2018, Institut Teknologi Bandung, Bandung, Indonesia, Nov 27-29, 2018 (as paper reviewer).
  169. Rockfall Seminar, 2018, Maccaferri Event, Jakarta, Dec 5, 2018 (as speaker).
  170. Post Palu Sep 28, 2018 Earthquake - Rehabilitation and Mitigation (Rehabilitasi dan Mitigasi Pasca Bencana Gempa Palu), Universitas Katolik Parahyangan, Bandung, January 25, 2019 (as speaker).
  171. Contemporary Architectural Design and The Phenomenon of Soil Liquefaction seminar, January 31, 2019 Pradita Institute, Tangerang (as main speaker on liquefaction phenomena).
  172. International Conference on Landslides and Slope Stability, SLOPE 2019, Sep 25-27, Kuta, Bali (giving Special Lecture).
  173. 16<sup>th</sup> Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Oct 14-17, 2019, Taipei, Taiwan (as session chairman and speaker).
  174. Indonesian 23<sup>rd</sup> Annual National Conference on Geotechnical Engineering, Nov 12-13, 2019, Jakarta (as session chairman and speaker).
  175. Indonesian Plaxis Advanced Course, Dec 8-13, 2019, Denpasar, Bali.

## H. Conference Papers/Publication

1. Soelarno, D.S., Pramono, P., Gouw Tjie Liong, Kusnadi and Usmanto, A Study on Bearing Capacity Estimated from Pressuremeter Data Compared to Other Data, in Indonesian, 3rd Indonesian Conf. on Geotech. Eng., Nov. 22-23, 1985, Jakarta.
2. Gouw Tjie Liong and Ganden S.S., Rehabilitation on Kiln Settlement due to Permanent Loading and High Temperature on Clayey Soil, in Indonesian, 3rd Indonesian Conf. on Geotech. Eng., Nov. 22-23, 1985, Jakarta.
3. Deep Compaction for Ground Improvement and for Reduction of Liquefaction Potential in Sumatra, Indonesia (1989), M.Eng. Thesis, Asian Institute of Technology (AIT), Bangkok.
4. Geosynthetics - Applications in Civil Engineering., in Indonesian, ITB, Bandung, Febr. 16, 1990; 2nd South Sumatra IGEA (HATTI) Seminar, Palembang, May 31, 1990.
5. Creep Factor in The Selection of Geosynthetics for Earth Reinforcement, in Indonesian, 4th Indonesian Conf. on Geotech. Eng., Bandung, Febr. 26-27, 1990.
6. Dynamic Compaction for Reducing Earthquake Induced Soil Liquefaction, in Indonesian, 4th Indonesian Conf. on Geotech. Eng., Bandung, Febr. 26-27, 1990.
7. The Application of Geosynthetics in Accelerating the Construction of Road Embankment, in Indonesian, Seminar on Reinforced Embankments-Theory and Practice, Jakarta, July 2, 1990.

8. A Hundred Ton Micropiles for Gantry Crane Foundation, Piletalk International'90 - 4t Presentation, Jakarta, July 4-5, 1990.
9. Vibro-compaction, Some Examples on the Construction Difficulties, 2nd Short Course and Seminar on Ground Improvement - Mechanically Stabilized Earth and Its Application, Jakarta, August 21-24, 1990.
10. Expanded Polysterene for Road Embankment on Soft Clay, 4th Annual Conf. on Road Eng., Bandung, Nov. 22-24, 1990.
11. Design of Unpaved Road with Geosynthetics Reinforcement, in Indonesian, Seminar on the Application of Geosynthetics for Ground Improvement, Univ. Hassanudin and Public Work Dept. of South Sulawesi, Ujung Pandang, Dec. 1, 1990.
12. The Application of New Techniques to Solve Deep Basements and Foundation Problems, joint author with M. Gambin, Y. Chiffolleau and B. Devis, Seminar on The Application of New Techniques To Solve Deep Basement and Foundation Problems, Tarumanagara University, Jakarta, October 14, 1991.
13. Dynamic Compaction on Corraline Soil, 9th Asian Regional Conf. on Soil Mech. and Found. Eng., Bangkok, Dec. 9-13, 1991.
14. Satisfactory Performance of Monolithic Vertical Drain, International Symposium on The Applications of Geosynthetic Technology, Jakarta, Nov. 23-24, 1992.
15. Problems of Dewatering in Jakarta, Discussion on Geotechniques - Excavation and Dewatering Problems in Jakarta, Jakarta, Dec. 1, 1992, Joint authors with S.P. Limasalle and P.B. Kumara.
16. Technical Specification and Construction Technique of Deep Foundations, Short Course on Pile Foundation'92, Jakarta, December 14-16, 1992.
17. Important Factors in Designing Shallow Foundation, in Indonesian, KONSTRUKSI magazine, Nov., Dec. 1993 & Jan. 1994 ed., Jakarta.
18. The Theories of Pile Axial Capacity and The Difficulties in Their Application, in Indonesian, First Annual Geotechnical Gathering (Pertemuan Ilmiah Tahunan I - HATTI), by IGEA (HATTI), Jakarta, November 17-18, 1993.
19. The Pumping Test and Its Interpretation for Dewatering Design, in Indonesian, 5th Indonesian Conf. on Geotech. Eng., Jakarta, Sept. 20-22, 1994.
20. How Standard is Our Standard Penetration Test, in Indonesian, A Short Course on Soil Investigation and Its Interpretation - The Problems and Their Effect to Design and The Problems Solving, by ISGE (HATTI), Jakarta, June 6-8, 1994.
21. Diaphragm Wall, Its Execution and Design Aspects, in Indonesian, A Short Course on Foundation Problem'94, by MBT and ISGE (HATTI), Jakarta, Dec. 12-14, 1994.
22. Precompression by Synthetic Vertical Drains, in Indonesian, Indonesian Geotechnical Journal, Vol. I, No. 01, April 1995.
23. The Geotechnical Aspects of Diaphragm Wall Design, in Indonesian, Indonesian Geotechnical Journal, Vol. II, No. 02, February 1996.
24. The Application of Jet Grouting for Deep Excavation and Soft Ground Tunneling, in Indonesian, Third Annual Geotechnical Gathering (Pertemuan Ilmiah Tahunan III - HATTI), by IGEA (HATTI), Jakarta, April 23-24, 1996.
25. Mechanically Stabilized Earth / MSE Wall, in Indonesian, Geosynthetics Seminar, Parahyangan Catholic University, Bandung, Febr. 25-26, 1996.
26. Application Difficulties of Soil Laboratory Test Data for Pile Design Parameters, in Indonesian, Seminar on Foundation Problems'96, by IGEA (HATTI), Jakarta, Dec. 9-10, 1996.
27. Dynamic Loading Test - Basic Theory and Interpretation, in Indonesian, Seminar on Foundation Problems'96, by IGEA (HATTI), Jakarta, Dec. 9-10, 1996.
28. Non Destructive Testing for Detecting Pile Integrity, in Indonesian, Seminar Pile'97, Universitas Katolik Parahyangan, Program Pasca Sarjana, Bandung, Aug. 15-16, 1997.

29. Soil Improvement on Reclaimed Lands - The Indonesian Experiences, 30th Year Anniversary Symposium of The Southeast Asian Geotechnical Society. Deep Excavations, Ground Improvements and Tunnelling, Bangkok, Thailand, November 3-7, 1997.
30. Soil Classification, in Indonesian, Work shop for the certification of professional geotechnical engineer, Jakarta, March 30-April 1, 2000.
31. The Prediction of Tunnelling Induced Settlement and Its Effect to the Public Utilities, Seminar on Tunnelling 2000, Bandung, Indonesia, April 8, 2000.
32. Notes on The Application of Spring Constant and Soil Structure Interaction Problem, Seminar on The Advancement & Trend in Soil Structural Engineering in The Third Millennium, Mulia Hotel, Jakarta, Indonesia, March 7, 2001.
33. Tunneling Induced Ground Movement and Soil Structure Interaction, Seminar on Subway Construction and Its Problem as an Alternative Transportation, Universitas Pelita Harapan, Jakarta, Indonesia, August 29, 2001.
34. The Engineer and Their Problems, in Indonesian, 6th Indonesian National Conference on Geotechnical Engineering, by IGEA (HATTI), Horison Hotel, Jakarta, Aug 11-13, 2003.
35. Long Term Performance of Ground Anchors, in Indonesian, Journal of The Indonesian Society for Geotechnical Engineering, April, 2004.
36. Deep Excavation Failure - What Could Be The Causes?, in Indonesian, Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), University of Indonesia, Depok, Jakarta, August 3-4, 2004.
37. Geosynthetics Design Concept for Road Construction, in Indonesian, One Day Seminar of INA - IGS on Road Construction in Indonesia with Special Reference to The Role of Geosynthetics, April 6, 2006, by INA IGS and Bina Nusantara University, Hotel Marriot, Jakarta.
38. Vertical Drain Design and Case Histories, (in power point files) April 23, 2007, INA-IGS and Bina Nusantara University, Universitas Bina Nusantara, Jakarta.
39. Soil Instrumentation, (in power point files), July 2007, in house short course on Soil Instrumentation for PT Testana, Surabaya.
40. Soil Classification, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
41. Soil Compaction, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
42. Effective Stress, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
43. Permeability and Seepage, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
44. Flownet - isotropic and unisotropic, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
45. Shear Strength of Soil, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
46. Stress Strain of Soil, (in power point files), Dec 17-19, 2007, A short course on Geotechnic, Jakarta.
47. Settlement, (in power point files), Mar 12-14,2008, A short course on Geotechnic, Jakarta.
48. Earth Pressure, (in power point files), Mar 12-14,2008, A short course on Geotechnic, Jakarta.
49. Slope Stability, (in power point files), Mar 12-14,2008, A short course on Geotechnic, Jakarta.
50. Ground Improvement, (in power point files), Dec 3-4,2009, A short course on Geotechnic, Jakarta.
51. A Study on Group Capacity of Laterally Loaded Piles by Plaxis 3D Foundation, 13<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Sanur Beach Hotel, Denpasar, Bali, Nov 5-6, 2009.

52. MRT Tunneling Method: Earth Pressure Balancing, Cut and Cover, and the Induced Settlement, (in power point files), June 16-17, 2010, A short course on Geotechnic, Jakarta.
53. Geotechnical Failure, Can it be Prevented, Seminar "Kegagalan Struktur Geoteknik dan Metoda Perbaikan Pada Bangunan Geoteknik, Surabaya, Oct 5 2011 as KEYNOTE Lecturer (in Indonesian).
54. Deep Excavation Failure, Can They be Prevented?, 9th Indonesian National Geotechnical Conference (KOGEI IX), as INVITED Lecturer, Jakarta, December 7-9. 2011 and in Bangkok on June 20-21, 2012 at International Symposium on Sustainable Geosynthetics and Green Technology for Climate Change, Bangkok.
55. PILE FOUNDATION, Design, Instrumentation and Testing, (in power point file), Jan 16-18, 2012, A short course on Geotechnic, Jakarta.
56. Soil Stiffness of Jakarta Clayey and Silty Soils, 14<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Melia Purosani Hotel, Jogjakarta, Indonesia, Feb 10-11, 2012.
57. Dewatering Design and Construction, (in power point file), Mar 26-28, 2012, A short course on Geotechnic, Jakarta.
58. Soil Models in Plaxis, (in power point file), Oct 1-3, 2012, A short course on Geotechnic, Jakarta.
59. Slope Stability Analysis, Limit Equilibrium vs Finite Element Method (in Indonesian), with Dave Juvens as co-author, 16<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Borobudur Hotel, Jakarta, December 4-5, 2012.
60. Back Analysis of Soil Stiffness from Pile Static Loading Test by used of Plaxis software (in Indonesian), with Krisandi as co-author, 16<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Borobudur Hotel, Jakarta, December 4-5, 2012.
61. Soil Improvement by Vacuum Preloading for a Power Plant Project in Vietnam, with Liu Yu as co-author, 16<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Borobudur Hotel, Jakarta, December 4-5, 2012.
62. Vacuum Preloading for a Power Plant Project in Southern Vietnam, with Liu Yu as co-author, 18<sup>th</sup> South East Asian Geotechnical Conference, Singapore, May 29-31, 2013.
63. Kenote lecture on The Application of Ground Improvement Techniques in Indonesia, as main author with Masyhur Irsyam and Anthony Gunawan as co-authors, 18<sup>th</sup> South East Asian Geotechnical Conference, Singapore, May 29-31, 2013.
64. Special lecture on Performance of Micropiles Subjected to Repetitive Load and Unload Cycles of 1500kN Load, as main author with Anthony Gunawan as co-author, Pile 2013, Bandung, June 2-4, 2013.
65. Analysis of Earthquake Induced Earth Pressure on Basement by Plaxis 2D under (Earthquake Condition Analisa Beban Gempa pada Dinding Besmen dengan Plaxis 2D), 17<sup>th</sup> Annual Geotechnical Convention (Pertemuan Ilmiah Tahunan - HATTI), by IGEA (HATTI), Borobudur Hotel, Jakarta, November 13-14, 2013.
66. Keynote lecture on Some Notes on the Application of Geotechnical Finite Element Method in Analyzing Excavation Problems, Deep Excavation 2013, Jakarta, December 4, 2013.
67. Invited Lecture on A Proposed Indonesian Standard for Design, Execution and Installation of Soft Ground Improvement by use of Prefabricated Vertical Drain, International Conference on Soft Soils 2014, by Universitas Katolik Parahyangan dan Universiti Tun Hussein Onn Malaysia, Bandung, October 21-23, 2014.
68. An Investigation on the Suitable Constitutive Law for Modelling Jakarta Red Clay, International Conference on Soft Soils 2014, by Universitas Katolik Parahyangan dan Universiti Tun Hussein Onn Malaysia, Bandung, October 21-23, 2014.

69. Design of Prefabricated Vertical Drain and Vacuum Preloading (in Indonesian) presented in Short Course on Soft Soils 2014, Parahyangan Catholic University, Bandung, October 21, 2014.
70. Usulan Pedoman Perencanaan dan Pelaksanaan Perbaikan Tanah dengan menggunakan Vertikal Drain, Pertemuan Ilmiah Tahunan HATTI ke 18, by IGEA (HATTI), Bidakara Hotel, Jakarta, November 11-12, 2014.
71. Importance of Elongation factor in Determining Geosynthetics Stiffness for Finite Element Calculation, Proceedings of International Conference on Landslides and Slope Stability, Bali, September 27-30, 2015, pp.B8-1toB8-6.
72. Seberapa Besar Pengaruh Efek Gangguan dan Hambatan Alir pada Prefabricated Vertikal Drain?, 10<sup>th</sup> Indonesian Geotechnical Conference and 19<sup>th</sup> Annual Scientific Meeting, Jakarta, November 24-25, 2015.
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96. Always Polish Yourself! Toward a Successful Engineering Career!, A motivational presentation for Binus Students, March 2008, Jakarta.
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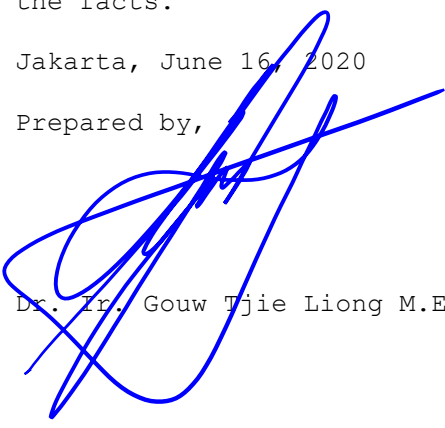
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I hereby state that this CV is responsibly prepared and in accordance with the facts.

Jakarta, June 16, 2020

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