

CURRICULUM VITAE

BENJAMIN LUMANTARNA

PERSONAL

Name : Ir. Benjamin Lumantarna, M.Eng., Ph.D., IPU HAKI

Born : Jombang, 26 November 1946

Citizenship : Indonesian

Address : Jl. Gayungsari VI/31
SURABAYA 60235, INDONESIA

Phone : (031) 8290215 - home
(031) 8280370 - office

EDUCATION

Title	Institution	Year
Ph.D.	Department of Civil Engineering, University of Toronto, Toronto, CANADA Thesis : Analysis of Imperfect Tubular Members Advisor : Prof. G.T. Will	June 1985
M.Eng.	Structural Engineering and Materials Department, Asian Institute of Technology, Bangkok, THAILAND Thesis : Simplified Analysis of Building-Foundation Systems Advisors : Prof. P. Karasudhi, Prof. S.L. Lee	March 1975
Ir.	Civil Engineering Department, Petra Christian University, Surabaya, INDONESIA Thesis : Design of Prestressed Concrete Structure (in Indonesian) Advisor : Ir. R.B. Adiharja	March 1973

EDUCATION (continued)

Title	Institution	Year
---	Sarjana Muda Lengkap Teknik Sipil Civil Engineering Department, Petra Christian University, Surabaya, INDONESIA	November 1966

AWARDS AND HONORS

Name of Awards	Year
University of Toronto Open Doctoral Fellowship	1984-1985
University of Toronto Award to Graduate Student Research Assistant	1984
University of Toronto Open Doctoral Fellowship	1983-1984
Petra Christian University Scholarship tenable at the Asian Institute of Technology, Bangkok, Thailand	1973-1975

PROFESSIONAL EXPERIENCES

Year	Position	Company
1990-	Director and founder	C.V. Benjamin Gideon and Associates, Surabaya, INDONESIA
1975-1982	Manager, Structural Engineering and Construction	ARAYA Corporation, Surabaya, INDONESIA
1971-1973	Chief Design Engineer	ARAYA Corporation, Surabaya, INDONESIA
1968-1971	Design Engineer	BAGANIK, Surabaya, INDONESIA

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES

Year	Design activities
2006-	Design of Banyan Tree Ungasan Resort, Bali Design of Marketing office Alam Galaxy, Surabaya
2005-	Design of 7 story Office Platinum, Surabaya Design of 20 story tower C & 16 story tower A & B, Metropolis Apartment, Surabaya Design of 46 story Apartment, 27 story Hotel, 15 story tower & 8 story Citywalk Adhiwangsa, Bukit Darma Golf, Surabaya Design of 5 story Elementary school IPH, Surabaya Design of Santo Yoseph Catholic Church Denpasar – Bali Design 13 story Buthan Mall, Surabaya Design of 5 story Graha Perdana Electronic, Surabaya Design of 2 story Office Bank Jatim Pacitan ,Jawa-Timur
2004-	Design of Apartment (Twon House) Graha Famili, Surabaya Design of Underpass Pakuwon Indah, Surabaya Design of 10 story The Empire Palace, Surabaya Design of 11 story Mall Hi-Tech, Surabaya Design of 5 story Mall Jembatan Merah Plaza III, Surabaya
2003-	Design of 10 story Kembang Jepun Trade Center, Surabaya Design of 5 story Hotel Holidays Suite, Nusa Dua, Bali Design of Holy Spirit Christian Church GJKI, Semarang Design of 10 story Hotel Pasific, Balikpapan

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
2003-	<p>Design of Holy Spirit Catholic Church, Santo Paulus, Juanda-Sidoarjo</p> <p>Design of 6 story Darmo Square, Surabaya</p> <p>Design of 5 story Studio JTV & Car Park Graha Pena, Surabaya</p> <p>Design of 10 story Graha Pena Jawa Pos Building, Batam</p>
2002-	<p>Design of Marketing Office Laguna Indah, Surabaya</p> <p>Design of 5 story Mall Golden City, Surabaya</p> <p>Design of elevator Graha Pena Jawa Pos Building, Surabaya</p> <p>Design of Imperial Family Club Pakuwon Indah, Surabaya</p> <p>Design of 2 story house office Darmo Satelit Town, Surabaya PT. Darmo Satelit Town.</p> <p>Design of 3 Story Atlas Sport Centre, Surabaya PT. Tatamulia Nusantara Indah</p>
2001-	<p>Design of clove cleaning and clove tanks structure PT. Gudang Garam Tbk , Gempol-Pasuruan</p> <p>Review office building PT. Karya Dibya Mahardhika, Pandaan-Jatim</p> <p>Design of clove cleaning and clove tanks structure PT. Gudang Garam Tbk , Gempol-Pasuruan</p> <p>Design of 11 story Graha Pena Jawa Pos Building Jakarta, PT. Jawa Pos</p> <p>Evaluation GKA Elyon, Surabaya</p> <p>Design of 5 story Mall Jembatan Merah Plaza, Surabaya PT. Lamicitra Nusantara</p> <p>Kindergarten School, Elementary School and Junior High School Catholic Tarakanita, Jakarta</p>

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
2001-	Foundation Helipulp for Helico Pulper, PT. Eternit Gresik Foundation Silika Grinder, Gresik, PT. Eternit, Gresik
2000 -	Kiln Dry and Boiler Machine, Surabaya PT. Dharma Satya Nusantara Evaluasi of Pipe Rack and Jetty Gresik PT. Maspion Industrial Estate, Gresik Site Visit and Analysis of Damage Approach Trestle of Jetty Gresik PT. Siam Maspion Terminal, Gresik Design of 4 story classroom facilities, Elementary School and Junior High School Catholic Santo Yosef, Surabaya Design of 5 story office building and 4 story car park building , PT. Sayap Mas Utama, Jakarta Design of 4 story class room facilities, Kindergarten School and Elementary School Kristen Petra, Surabaya Holy Spirit Chatolic Church, Surabaya
1999	Workshop and Office Extention Gresik Gases Indonesia Process Plant, Gresik.
1998 -	Evaluation and Repair, Sidoarjo Underpass Surabaya - Malang toll road. Design of 5 story Classroom facilities, Widya Mandala Chatolic University, Surabaya Design of 8 story Chemical Laboratory, Widya Mandala Chatolic University, Surabaya
1997 -	Evaluation and repair, shop house at Plaza Segi Delapan, Surabaya Design of 8 story office Building , P.T. Sinar Galaxy, Surabaya Design of 10 story office Building, Bank Hastin, Surabaya

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
1997-	Design of Becco Hotel & Residential Development, Surabaya Design of Foundation and supporting structures, Gresik Gases Indonesia Process Plant, Gresik Design of 9 story office building Yamaha Centre, Surabaya Design of 17 story 3 star Hotel, PT. Dirgahayu, Surabaya Design of 6 story Rungkut Megah Mall, Surabaya
1996 -	Design of Graha Pena Jawa Pos, 20 story office building, Surabaya Design of 6 story Gedung Kejaksaan Negeri, Jakarta Pusat Design of 30 story Unika Atmajaya, Jakarta Selatan Design of Grande Family Club House, Surabaya Design of 14 story Car Park at Unika Atmajaya, Jakarta Selatan Design of 21 story and 24 story Gandaria apartemen, Jakarta Design of Syncrolift Platform & Launching Beam, Batam Design review of TP IV Retail Building, Surabaya Design review of Pakuwon Super Mall, Surabaya Design of Balaraja Business Park, Jakarta Design of Tambak Osowilangon Mall, Surabaya Design of Marketing Office, Ciputra housing development, Surabaya Design of Office & Shopping complex Darmo Dinamis, Surabaya Design of Bukit Darmo Golf Club House, Surabaya Design of 11 story Ibis Hotel, Bogor Design of Sekolah Ciputra, Ciputra housing development, Surabaya Design of Main Gate Ciputra, Ciputra housing development, Surabaya

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
1995-	<p>Design of Alumindo New Cold Mill, Sawotratap Waru, Sidoarjo</p> <p>Design review of a 25 story Mercure Apartemen, Surabaya</p> <p>Design of Wisma Indo Asia, 6 story office building, Surabaya</p> <p>Design of 29 story Peninsula Hotel, Jakarta</p> <p>Design of 4 story Yaporti Tennis School, Jakarta</p> <p>Design of 5 story Yaporti Hospital, Jakarta</p> <p>Design of Floraya, Mediterania Housing Complex, Surabaya</p> <p>Design of Extention of Camco Omya Indonesia Factory, Sidoarjo</p> <p>Design of Extention of Eternit Gresik Factory, Gresik</p> <p>Design of 6 story Tantris Hotel, Surabaya</p> <p>Design of Wisma Dharmala Surabaya Rental Office, Surabaya</p> <p>Design of Hopax Enterprise Indonesia's Factory, Ngoro Industrial Park, Mojokerto</p> <p>Design of Agip Industrial Facilities, Gempol Pasuruan</p> <p>Design of 28 story Condominium Building at Pakuwon City, Surabaya</p>
1994-	<p>Design of 19 story Surabaya Municipal Building, Surabaya</p> <p>Design of Tunjungan Crystal Hotel, Surabaya</p> <p>Design of 16 story Century City Hotel, Surabaya</p> <p>Design of 6 story East and West Wing Building of Surabaya Municipal Building, Surabaya</p> <p>Design of Grand Mall, Surabaya</p> <p>Design of Headquarter Office Dharmala Land, Surabaya</p> <p>Design of Grand Residence Apartment, Surabaya</p> <p>Design of Office Park and Aparotel Grand Residence, Surabaya</p>

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
1994-	Design of a 24 story Apartment, Surabaya Design of 28 story Sunflower Garden Condominium, Surabaya Design of Soklin soap Factory Building, Driyorejo Design of Monumen Mandala Pembebasan Irian Barat at Ujung Pandang
1993 -	Design of 28 story 5 star hotel at Tunjungan City, Surabaya Design of 8 story stack car park at Tunjungan City, Surabaya Design of 4 story ball room at Tunjungan City, Surabaya Design of 18 story 5 star hotel extension at Tunjungan City, Surabaya Evaluation of Apartment Building, Hyatt Hotel Extension, Surabaya Design of 17 story Pandya Office Building, Surabaya Design of PT. Camco Omya Indonesia (Calcium Carbonate factory building), Sidoarjo
1992 – 1993	Evaluation and Redesign of Dry Dock of PT. Ben Santosa, Jl. Nilam Barat, Surabaya Design of Alumindo Light Metal Industry factory building, Sawotratap, Waru Surabaya Intercontinental Hotel, Seafer Centre, a mixed used complex, jl. Akhmad Yani, Surabaya
1991 – 1992	Design of Indaco Building, a ten story office building, Jalan Raya Mayjen Sungkono, Surabaya Design of Novotel Trawas, a three story resort hotel, Trawas, East Java Design of Novotel Surabaya, a 16 story hotel, Jalan Raya Kupang Indah, Surabaya Design of Hotel Biliton, Belitung

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
1991 - 1992	Design of HPU Building, Ship Hydrodynamics Laboratory, ITS Campus, Surabaya Design of Darmo Satellite Town Condominium Complex, Jalan Raya Satellite Selatan, Surabaya
1990 – 1991	Design of Cavitation Tunnel Building, Ship Hydrodynamics Laboratory, ITS Campus, Surabaya Design of Hotel Denpasar, seven story, Jalan Diponegoro, Denpasar, Bali Design of Garden Tower, a 23 story office and apartment building, Jalan Embong Malang, Surabaya Design of Petra Tower, a ten story main administrative and library building, Petra Christian University Campus, Surabaya, Indonesia Design of 17 story Elmi Hotel extension, Jalan Panglima Sudirman, Surabaya, Indonesia Redesign of Apollo plaza, Jalan Tunjungan, Surabaya, Indonesia Design of Dian Perdana Lestari Building (Ekonomi Centre), a ten office building, Jalan Embong Malang, Surabaya Design of Garden Palace Hotel extension, Jalan Yos Sudarso, Surabaya Design of PT. Kedawung Subur Industry glass furnace supporting structure, Rungkut Industri III, Surabaya
1968 – 1989	Design of Petra Christian Junior High School, Jalan Jemur Andayani, Surabaya, Indonesia Design of Petra Christian Technical High School, Jalan Jemur Andayani, Surabaya, Indonesia Design of St. Carolus Catholic Primary School, Jalan Jemur Andayani, Surabaya, Indonesia Design of Hening Griya Building, Jalan Jemur Andayani, Surabaya, Indonesia

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
1968 – 1989	<p>Design and construction of Sea-Fed Bulk Storage and Loading Installation for Pertamina, including an oil-jetty for 6,000 DWT Tankers, Meneng, Banyuwangi, Indonesia</p> <p>Design of a ten-story reinforced concrete office building for PT. Gudang Garam, Surabaya, Indonesia</p> <p>Design and construction of two spherical LPG storage tanks each capacity 500 tons, Pertamina, Tanjung Perak, Surabaya, Indonesia</p> <p>Design and construction of two Vertical Bulk Storage Self Supported Cone Roof Tanks, each capacity 10,000 tons, Pertamina, Tanjung Perak, Surabaya, Indonesia</p> <p>Design and construction of storage tanks, pipe lines and buildings for the Padalarang Recieving Terminal, (total storage capacity 60,000 tons), Pertamina, Jawa Barat, Indonesia</p> <p>Construction of Bulk Storage and Loading Installation of Refined Petroleum Products for Pertamina, (total storage capacity 60,000 tons), Balongan, Jawa Barat.</p> <p>Rehabilitation and of pier/wharf and installation of bunker fuel pipes at the Navy Port, Surabaya, Indonesia</p> <p>Construction of two spherical LPG storage tanks, each capacity 250 tons, Tanjung Priok, Jakarta, Indonesia</p> <p>Design of Pertamina Hospital, Balikpapan, Kalimantan, Indonesia</p> <p>Design of Pertamina Cottages (Phase II), Tuban, Bali, Indonesia</p> <p>Design and construction of the Convention Hall, Cottages, Public facilities, Water Towers, Beach Protection and Offices of Pertamina Cottages (Phase I), Tuban, Bali, Indonesia</p> <p>Design and construction of two spherical LPG storage tanks, each capacity 250 tons, Tanjung Perak, Surabaya, Indonesia</p> <p>Design and construction of Pertamina Guest House, Balikpapan, Kalimantan, Indonesia</p> <p>Design of 12-story hotel in Surabaya, Indonesia</p>

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

Year	Design activities
1968 – 1989	Design of Grand Park Hotel, Balikpapan, Kalimantan, Indonesia
	Design of P.T. Gudang Garam Guest House, Tretes, Jawa Timur, Indonesia
	Design of various gasoline and diesel fuel distributing stations in East Java, Indonesia
	Design of Civil Engineering Laboratory and Multi-purpose building of Petra Christian University, Jalan Kalianyar, Surabaya, Indonesia
	Design of Siwalankerto Campus of Petra Christian University, Surabaya, Indonesia

TECHNICAL PUBLICATIONS

Year Technical Publications

2006

1. Pudjisuryadi, Pamuda; Lumantarna, Benjamin; Debby Kurnia Dewi, Susanto, Adi.. *Sudi Tentang Daktilitas Struktur pada Sistim Shearwall-Frame dengan Belt Truss*. **Dimensi teknik Sipil, Vol 8 no 1, Maret 2006**,

2005

1. Lumantarna, B., Andriono, T., Iwan, J., Affandi, Y.. *Rintang Kinerja Damage Control Struktur Rangka Pemikul Momen Khusus*. **Proceeding Seminar HAKI 2005, Tradisi & Inovasi, Jakarta, 23-24 Agustus 2005, pp F1-F11, 23-24 Agustus 2005**
2. Lumantarna, Benjamin. *Bangunan Tahan Gempa, Apakah Ada*. **Makalah Utama, Proceeding Seminar Nasional Rekayasa Perencanaan V, The Role of Civil Engineering Sciences in The Usefulness of Natural Resources Supporting The Enhancement of National Economy, Surabaya, 26 Juli 2005. , 26 Juli 2005**
3. Lumantarna, Benjamin. *Menyikapi Perkembangan Iptek Dalam Pengembangan Kbk*. **Seminar Kurikulum Universitas Kristen Indonesia Paulus, Makasar, 20-21 Juni 2005. , 20 Juni 2005**

2004

1. Andriono, T., Lumantarna, B., Tandian, C.H., Gunawan,A.. *Performance of Pushover Analysis in Predicting real Seismic Performance of a Building*. **Developments in Mechanics of Structures and Materials, Proc. of the 18th Australasian Conference on the Mechanics of Structures and Materials, Volume 1, pp. 415-419, AA Balkema Publishers. Perth, 1-3 December 2004**
2. Andriono,T., Lumantarna,B., Proboyo,A., Suryanto,B.. *Kinerja Struktur Shear Wall-Frame Pemikul Momen Khusus*. **Exelence in Construction, Proceeding HAKI 2004, 24-25 Agustus 2004**

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

2004

3. Kusuma, G., Mendis, P., Lumentarna, B.. *Performance Based Seismic design Using Energy Balance for R/C frame Structures*. **Developments in Mechanics of Structures and Materials, Proc. of the 18th Australasian Conference on the Mechanics of Structures and Materials, Volume 1, pp. 467-478, AA Balkema Publishers. Perth, 1-3 December 2004**
4. Lumentarna Benjamin, Andriono Takim, Proboyo Alvin,Suryanto Benny. *Seismic Performance of shear-wall frame structure designed in accordance to the new Indonesian Concrete Code*. **Buletin of AICPS, Association of the Structural Design Engineers, 4/2003-1/2004, pp. 164-169, Romania, 26 March 2004**
5. Lumentarna, B., Andriono, T., Chandra, A., Dhannyanto. *Alternatives to the Capacity Design Method, a Preliminary Proposal*. **Developments in Mechanics of Structures and Materials, Proc. of the 18th Australasian Conference on the Mechanics of Structures and Materials, Volume 1, pp. 485-491, AA Balkema Publishers. Perth, 1-3 December 2004**
6. Lumentarna, B., Gunawan, I.,Wijaya E.. *Keandalan Analisa Pushover Untuk Meramal Prilaku Seismik Nonlinier Struktur Portal Terbuka dengan Reentrant Corner*. **Dimensi Teknik Sipil, Vol 6, No. 1, Maret 2004,**
7. Lumentarna, B., Gunawan, R., Cicilia, I.K.S.. *Prediction of Damages on Regular Building Using Static Nonlinear Pushover Analysis*. **Prosiding Konferensi Nasional Rekayasa Kegempaan II, AARGI II,Gedung PascasarUniversitas Gadjah MadaYogyakarta, 20 Januari 2004. Yogyakarta, Indonesia, 2004**
8. Lumentarna,B., Andriono,T., Kwary, A.B., Lokosasmito, F.. *Kinerja Struktur Rangka Pemikul Momen Khusus*. **Exelence in Construction, Proceeding HAKI 2004, 24-25 Agustus 2004**

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

2003

1. Lumantarna, Benjamin. *Keandalan Analisa Pushover untuk Meramal Prilaku Seismik Nonlinier Struktur Portal Terbuka dengan Setback. Perkembangan Teknologi dan Aplikasinya dalam Dunia Konstruksi Indonesia, Prosiding Seminar HAKI 2003, 19-20 Agustus 2003, Jakarta, Indonesia. , 2003*
2. Lumantarna, Benjamin. *Seismic Performance Evaluation of Irregular Buildings, Static Pushover vs. Dynamic Nonlinear Time History Analysis. Proceedings of The Ninth East Asia-Pacific Conference on Structural Engineering and Construction, EASEC-9, Bali, 16-18 December 2003. Bandung, Indonesia, 2003*
3. Mendis, P., Ngo, T., Kusuma, G., Lumantarna, B., Sudarsana, K., Susila, A.. *The Bali Bombing - Assessment and Analysis of Blast Damages to Building Structures. Proceedings of The Ninth East Asia-Pacific Conference on Structural Engineering and Construction, EASEC-9, Bali, 16-18 December 2003. Bandung, Indonesia, 2003*
4. Po, S.K., Lumantarna, B.. *Evaluation of Restoration Methods for. Proceedings of The Ninth East Asia-Pacific Conference on Structural Engineering and Construction, EASEC-9, Bali, 16-18 December 2003. Bandung, Indonesia, 2003*
5. Po,S.K., Roy, S.K., Lumantarna, B., Juwono, G., Sientjahjo, G.. *Diagnostic and Evaluation of a Historic Unreinforced Masonry Structure in Surabaya. Proceedins of The Ninth East Asia-Pacific Conference on Structural Engineering and Construction, EASEC-9, Bali, 16-18 December 2003. Bandung, Indonesia, 2003*

2002

1. Lumantarna, B., Widjaja,S., Santosa B.. *Seismic Performance Evaluation of Regular Buildings Using Pushover and Dynamic nonlinear Time History Analysis. Advances in Mechanics of Structures and Materials, Proceedings of the 17th Australation Conference on the Mechanics of Structures and Materials, ACMSM 17, Gold Coast, Queensland, Austalia, 12-14 Juni 2002. , 2002*

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

2002

2. Lumantarna, Benjamin. *Design and Evaluation of ReInforced Concrete Seismic Design Using Pseudo Elastic Method*. **Proceedings of the International Conference on Advancement in Design, Construction, Construction Management and Maintenance of Building Structures**, Bali-Indonesia, 27-28 March 2002. , 2002
3. Lumantarna, Benjamin. *Kehandalan Analisa Pushover untuk Meramal Prilaku Seisme Nonlinier Struktur Portal Terbuka Teratur*. **Prosiding Seminar Profesionalisme Dalam Dunia Konstruksi Indonesia, Seminar HAKI 2002, Jakarta, Hotel Borobudur, 20-21 Agustus 2002**. Jakarta, Indonesia, 2002
4. Lumantarna, Benjamin. **Prediksi Kerusakan Bangunan dengan menggunakan Analisa Statik non Linier (Pushover)**. . , 2002
5. Lumantarna, Benjamin. *Prilaku Belt Truss sebagai Virtual Outrigger untuk Bangunan Tinggi*. **Prosiding Seminar Launching Program Petra, UK. Petra**, 11 Mei 2002. , 2002
6. Lumantarna, Benjamin. *The Performance-Based Seismic Design According to the Asian Concrete Model Code : an Indonesian Example*. **Proceedings of the International Conference on Advancement in Design, Construction, Construction Management and Maintenance of Building Structures**, Bali-Indonesia, 27-28 March 2002. , 2002
7. Benjamin Lumantarna, “Keandalan Analisa Pushover untuk Meramal Prilaku Seismic Nonlinier Struktur Portal Terbuka Teratur”, **Profesionalisme Dalam Dunia Konstruksi Indonesia, HAKI 2002, August 20-21, 2002**
8. Benjamin Lumantarna, et.al., “Prediksi Kerusakan Bangunan dengan Menggunakan Analisa Statik Nonlinier (Pushover)”, **Seminar Nasional Perkembangan Terkini Perencanaan Beton Bertulang, FTSP-ITS, Surabaya, August 14, 2002**. pp. 34-44, 2002

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

2002

9. Benjamin Lumantarna, et.al., “Seismic Performance Evaluation of Regular Buildings Using Pushover and Dynamic Nonlinear Time History Analysis”, **Advances in Mechanics of Structures and Materials, Proc. ACMSM 17, Gold Coast, Australia, June 2002, pp. 711-714**
10. Benjamin Lumantarna, et.al., “Design and Evaluation of Reinforced Concrete Seismic Design Using Pseudo Elastic Method”, **Proc. International Conference on Advancement in Design, Construction, Construction Managemant and Maintenance of Building Structures, APEC 2002, Denpasar, Bali, March 27-28, 2002**

2001

1. Benjamin Lumantarna, “Seismic Performance Evaluation Using Pushover And Dynamic Nonlinear Time History Analysis”, **ICCMC/IBST 2001 International Conference on Advanced Technologies in Design, Construction and Maintenance of Concrete Structures, May 2001.**
2. Benjamin Lumantarna, “The Efectiveness of Belt Truss As Virtual Outrigger for Tall Building”, **ICCMC/IBST 2001 International Conference on Advanced Technologies in Design, Construction and Maintenance of Concrete Structures, May 2001.**

2000

1. Benjamin Lumantarna, et al, “Aplikasi Visual untuk Program Elemen Hingga dengan Elemen Segitiga dan Segiempat Subparametrik dan Isoparametrik”, **Dimensi Teknik Sipil Vol 2. Nomor 2, September 2000.**

1999

1. Benjamin Lumantarna, et al, “Perilaku Belt Truss sebagai Virtual Outrigger pada Bangunan Tinggi”, **Seminar HAKI Jakarta, September 1999.**
2. Benjamin Lumantarna, et al, “Gempa Rencana untuk Analisa Riwayat Waktu”, **Dimensi Teknik Sipil Vol 1. Nomor 1, March 1999.**

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

1998

1. Benjamin Lumantarna, et.al., "Perbandingan Beberapa Cara Pendekatan untuk Perhitungan Beban Gravitasi pada Bangunan Tinggi" (**Comparison of Several Approximate Methods for Calculating Gravitational Loads in High Rise Building**), Juni 1998. (to be published)
2. Benjamin Lumantarna, et.al., "Evaluasi Perilaku Seismik Struktur Rangka Beton Bertulang yang Direncanakan tanpa Cara Kapasitas" (**Seismic Behaviour of Concrete Frame Structure designed without Capacity Design Method**), **Dimensi vol. 23/sip**, April 1998, pp. 51-59 (in Indonesian).
3. Benjamin Lumantarna, et.al., "Batasan Pemakaian Perencanaan Pseudo Elastis Menggunakan Satu Kolom Tepi" (**Limitation on Pseudo Elastic Design using One Pair of Exterior Column**), **Dimensi vol 23/sip**, April 1998, pp. 60-65 (in Indonesian).

1997

1. Benjamin Lumantarna, et.al., "A Preliminary Study of Reinforced Concrete Seismic Design Using Pseudo Elastic" (Studi Pendahuluan tentang Perencanaan Seismik Beton Bertulang Menggunakan Metode Pseudo Elastic), **HAKI Conference 1997 on Civil and Structural Engineering**, 13-14 Agustus 1997, pp. 102-115.
2. Benjamin Lumantarna, et.al., "Resmat, an Interactive Program to Create Spectrum-Consistent Time History" (Resmat, Sebuah Program Interaktif untuk Menghasilkan Riwayat Waktu Gempa dengan Spektrum Tertentu), **HAKI Conference 1997 on Civil and Structural Engineering**, 13-14 Agustus 1997, pp. 128-135.

1994

1. Benjamin Lumantarna et al, "An Alternative to The Capacity Design Method, A Preliminary Study" (Perencanaan Kapasitas Alternatif, Suatu Studi Pendahuluan), **International Conference on Modern Design and Construction of Structure for Safety, Economy, and Durability**, Petra Christian University Surabaya 1994 (in Indonesia)

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

1993

1. Benjamin Lumantarna, et.al., "Pengaruh Tembok Pengisi Bata Terhadap Waktu Getar Bangunan Gedung" (**Influence of brick infilling wall to the Natural Period of Building Structures**), **Dimensi vol 19/sip, Mei 1993**, pp. 1-9 (in Indonesian).
2. Benjamin Lumantarna, et.al., "Suatu Cara Alternatif untuk Perhitungan Waktu Getar Struktur dengan Tembok Pengisi" (**An Alternative Method to Calculate the Natural Period of Brick Inffilled Frame**), **Dimensi vol 18/sip** (in Indonesian).
3. Benjamin Lumantarna, et.al., " Waktu Getar Bangunan Gedung dengan Struktur Jenis B2" (**Natural Period of Building Structures Type B2**), **Dimensi vol 18/sip** (in Indonesian).

1991

1. Benjamin Lumantarna, et.al., "Prilaku Statik Struktur yang Direncanakan dalam Wilayah Enam terhadap Beban Gempa" (Static Behaviour of Structures Design in Zone Six to Seismic Loading), **Civil Engineering Exhibition and Seminar, Department of Civil Engineering, Indonesia University**, Jakarta, November 1991 (in Indonesian).
2. Benjamin Lumantarna, et.al., "Tinjauan terhadap Batasan Eksentrisitas pada Bangunan Tinggi" (A Critical Look at Eccentricity Requirements of Tall Building), **Civil Engineering Exhibition and Seminar, Department of Civil Engineering, Indonesia University**, Jakarta, November 1991 (in Indonesian).
3. Benjamin Lumantarna, "GEMPA, Suatu Program Animasi untuk Respons Dinamik Struktur Elastis Dua dan Tiga Demensi" (GEMPA, an Animated Dynamic Respons for Two and Three Dimensional Elastic Structures), Research Report, **Department of Civil Engineering, Petra Christian University**, Surabaya, May 1991 (in Indonesian).

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

1991

4. Benjamin Lumantarna, "Redistribusi Momen dalam PB' 89" (Momen Redistribution in PB'89), **National Seminar on Advances of Multi-storey Structures Design Method, Universitas Kristen Indonesia Paulus, Ujung Pandang**, March 1991 (in Indonesian).
5. Benjamin Lumantarna, "Bangunan di Daerah Gempa, Perencanaan dengan Analisa Modal dan Statik Ekivalen" (Building in Earthquake Areas, Modal Analysis and Static Equivalent), **National Seminar on Advances of Multi-storey Structures Design Method, Universitas Kristen Indonesia Paulus, Ujung Pandang**, March 1991 (in Indonesian).
6. Benjamin Lumantarna, "Analisa Struktur dengan Computer, Sampai Dimana Kebenarannya ?" (Structural Analysis using Computer Programs, How Reliable?), **National Seminar on Advances of Multi-storey Structures Design Method, Universitas Kristen Indonesia Paulus, Ujung Pandang**, Maret 1991 (in Indonesian).

1990

1. Benjamin Lumantarna, "Mempelajari Respons Dinamis Struktur Elastis dengan Program Animasi" (Studying Dynamic Respons of Elastic Structures using Animation Program), **Fakultas Teknik Universitas Brawijaya**, Malang, September 1990 (in Indonesian).
2. Benjamin Lumantarna, "Perhitungan Lentur Dan Geser Menurut Rancangan PB 88 (Flexure and Shear in PB 88), **PB 89 Seminar, Non Degree Department, Nusa Cendana University**, January 1990 (in Indonesian).
3. Benjamin Lumantarna, "Konsep Dasar Perencanaan Bangunan di Daerah Gempa (Basic Building Design Concepts in Earthquake Prone Area)", **PB89 Seminar, Non Degree Department, Nusa Cendana University**, January 1990 (in Indonesian).

1989

1. Benjamin Lumantarna, "Mendalami Prilaku Dinamik Struktur Elastis Dengan Program Animasi (Understanding Elastic Structural Behaviour Using An Animation Program)", **Structural Dynamic and Concrete Bridge Seminar, Civil Engineering Department, Petra Christian University**, 1989 (in Indonesian).

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

1989

2. Benjamin Lumantarna, "Gempa, Suatu Program Animasi Untuk Mempelajari Respons Dinamis Struktur Elastis (Gempa, An Animated Educational Dynamic Elastic Response Package)", **Structural Dynamic Applications in Civil Engineering Seminar, Engineering Department, Indonesia University**, 1989 (in Indonesian).
3. Benjamin Lumantarna, "Prilaku Dinamik Struktur Bangunan Terhadap Gempa dengan Perhitungan Tiga Dimensi (Three Dimensional Dynamic Behaviour of Building Structures due to Earthquake Loading)", **Department of Architecture, Petra Christian University**, June 1989 (in Indonesian).
4. Benjamin Lumantarna, "Pemeriksaan Hasil Perhitungan Struktur Dengan Komputer dengan cara Pendekatan (Checking of Computer Structural Analysis Output using Aproximate Method)", **INKINDO-PEMDA DATI I, Jawa Timur, Three days training**, March 1989 (in Indonesian).

1988

1. Benjamin Lumantarna, "Cara Pendekatan untuk Perhitungan Space Frame (Simplified Space Frame Design)", **Space Frame Seminar, Department of Architecture, Petra Christian University**, December 1988 (in Indonesian).
2. Benjamin Lumantarna, "A Special Purpose Finite Element Program for Tubular Members", **IASS International Symposium on Innovative Applications Of Shell & Spatial Forms, Bangalore, India**, November 21-25, 1988.
3. Benjamin Lumantarna, "Prilaku Dinamik Struktur Bangunan Terhadap Gempa Bumi (Dynamic Behaviour of Building Structures due to **Earthquake Loading**)", **Department of Architecture, Petra Christian University**, March 1988 (in Indonesian).

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

1987

1. Benjamin Lumantarna, "Brooklyn Bridge", **Dimensi, No.13 - TH.1987**, pp. 24-45, 1987 (in Indonesian).
2. Benjamin Lumantarna, Ratna Priatman, "Evaluasi Proses Belajar Mengajar Mekanika Teknik (Structural Analysis Learning-Teaching Evaluation)", **Dimensi, No.13 - TH.1987**, pp. 52-71, 1987 (in Indonesian).
3. Benjamin Lumantarna, "Arsitektur, Suatu Pandangan Awam Seorang Sarjana Sipil (Architecture, A Civil Engineer Point of View)", **20 years Architectural Education, Petra Christian University**, February 1987 (in Indonesian).
4. Benjamin Lumantarna, Benjamin Rahardjo, Stevanus Setiabudi, "Mempelajari Prilaku Struktur Elastis Akibat Beban Dinamis dengan Komputer Pribadi (Studying Elastic Structure's Dynamic Behaviour using Personal Computer)", **Earthquake Engineering Seminar, Petra Christian University**, November 1987 (in Indonesian).

1986

1. Benjamin Lumantarna, "Bending Capacity of Imperfect Tubular Members", **Design Of Steel Structures Seminar, Petra Christian University**, January 1986.
2. Benjamin Lumantarna, "Analysis of Imperfect Tubular Members", Ph.D. Thesis, Department of Civil Engineering, **University of Toronto, Toronto, Canada, 1985**.

1981

1. Prawiro Limanto, Soesianawati, Benjamin Lumantarna, "Perhitungan Analisa Dinamis Menurut Peraturan Gempa di Indonesia (Dynamic Analysis according to Indonesian Earthquake Loading Code)", **CIPTA, No.5, 1981 (in Indonesian, also published in Dimensi, No. 07-1981**, pp. 30-40, 1981).

TECHNICAL PUBLICATIONS (continued)**Year Technical Publications**

1980

1. Benjamin Lumantarna, "Perencanaan Bangunan di Daerah Gempa (Design of Buildings in Earthquake Regions)", **Dimensi**, No. 03-1980, pp. 3-24, 1980 (in Indonesian).
2. Benjamin Lumantarna, "Hasil Survei Lulusan Lembaga Pendidikan Pengawas Bangunan Universitas Kristen Petra (A Survey on Petra Christian University's Building Supervisors Extension Course Graduates)" **Dimensi**, No. 01-1980, pp. 32-37, 1980 (in Indonesian).

1979

1. Benjamin Lumantarna, "Kemungkinan Penggunaan Ferro-Cement di Indonesia (The Possibility of The Use of Ferro-Cement in Indonesia)", **Technology for National Development Workshop**, Bandung, May 1979 (in Indonesian).
2. Woersita, A., J.A. Soesilo, Lukas M., Benjamin Lumantarna, "Pengaruh Metode Pengajaran dalam Proses Belajar-Mengajar di Universitas Kristen Petra (The Influence of Teaching Method in the Teaching-Learning Process at Petra Christian University)", **Petra Christian University Publications**, 1979 (in Indonesian).

1978

1. Benjamin Lumantarna, "Penggunaan Komputer dalam Menyelesaikan Masalah - Masalah Matriks (The Use of Computers to solve Matrix Problems)", **Workshop on the use of Matrix as Analitical Model, Petra Christian University**, August 1978 (in Indonesian).
2. Benjamin Lumantarna, "Analisa Struktur dengan Cara Matriks (Matrix Structural Analysis)", **Structural Analysis Workshop, Petra Christian University**, July 1978 (in Indonesian).

1976

1. Benjamin Lumantarna, "Penyederhanaan Perhitungan Gempa dari Bangunan dengan Interaksi antara Bangunan dan Pondasi (Simplified Analysis of Building-Foundation System)", **CIPTA No. 5-6/1976**, pp. 23-33, 1976 (in Indonesian).

TECHNICAL PUBLICATIONS (continued)

Year Technical Publications

1975

1. Karasudhi, P., Benjamin Lumantarna, Lee,S.L., "Simplified Seismic Analysis of Building-Foundation System", **Proceeding, 5th Asian Regional Conference on Soil Mechanics and Foundation Engineering, Vol. I, Bangalore, India, 1975**, pp. 315-319.
2. Benjamin Lumantarna, "Least Favorable Excitation", Appendix 1, Master of Engineering Thesis No. 808, **Asian Institute of Technology, Bangkok, Thailand, 1975**.
3. Benjamin Lumantarna, "Simplified Analysis of Building-Foundation Systems", **Master of Engineering Thesis No. 808, Asian Institute of Technology, Bangkok, Thailand, 1975**.

PROFESSIONAL ORGANIZATION MEMBERSHIP

Member of Indonesian Structural Engineers Association (HAKI)

Member of Indonesia Earthquake Engineering Association (AARGI)

ACADEMIC POSITION

Latest academic position held is Professor (Guru Besar Madya) of Civil Engineering Department of Petra Christian University, Surabaya, Indonesia.

UNIVERSITY ADMINISTRATION EXPERIENCES

(last position held)

Held various administrative post at Petra Christian University, Surabaya, Indonesia, including Head of Structural Engineering Division and Vice Rector of Student Affairs.

TEACHING EXPERIENCES

Hold numerous teaching position at Civil Engineering Department of Petra Christian University, Surabaya, since 1968 as teaching assistant up to date in the field of structural and earthquake engineering.

From 1982 to 1985 held teaching assistant position at Department of Civil Engineering, University of Toronto, Canada, in Computer Programing, Engineering Materials, Structures and Engineering Mechanics.