

CURRICULUM VITAE

GIDEON HADI KUSUMA

PERSONAL

Name : Ir. Gideon Hadi Kusuma, M. Eng.
Born : Surabaya, 02 November 1948
Citizenship : Indonesia
Address : Jl. Raya Satelit Indah Barat IN 26,
Surabaya, INDONESIA
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EDUCATION

| Title | Institution | Year |
|--------------|---------------------------------------------------------------------------------------------------------|-------------|
| M.Eng. | Structural Engineering and Materials Department, Asian Institute of Technology, Bangkok, THAILAND | 1979 |
| Ir. | Civil Engineering Department, Petra Christian University, Surabaya, INDONESIA | 1976 |

RESEARCH INTEREST

- Earthquake Engineering, Concrete Structure, Steel Structure Concrete
Material and Total Quality Management.

PROFESSIONAL EXPERIENCE

| Year | Position | Company |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 1975-2000 | As Lecturer | Petra Christian University, Surabaya, INDONESIA |
| 1995- | Partner | PT. Wahana Teknologi Pakaryasa, Surabaya, INDONESIA |
| 1990 - | Partner and founder | C.V. Benjamin Gideon and Associates, Surabaya, INDONESIA |
| 1979 – 1983 | Branch Manager | P.T. Indulexco Consulting Group, Surabaya, INDONESIA |
| 1981 – 1982 | Deputy Project Manager/ Chief Engineer for Detailed Engineering Design Surabaya Drainage Improvement Project, Phase II (Proyek Cipta Karya Urban III) | P.T. Indulexco Consulting Group, Surabaya, INDONESIA |
| 1980 – 1981 | Port Engineer Feasibility Study Surabaya Port Project, Phase II | P.T. Indulexco Consulting Group Surabaya, INDONESIA |
| 1979 – 1980 | Structural Engineer Detailed Engineering Design Surabaya Drainage Improvement Project, Phase I (Proyek Cipta Karya Urban III) | PT Indulexco Consulting Group, Surabaya, INDONESIA |
| 1976 – 1977 | Junior Engineer Design of Surabaya Port Project, Phase I, Assigned to Rendel Palmer & Tritton | PT Indulexco Consulting Group, Surabaya, INDONESIA |

PROFESSIONAL EXPERIENCE (continued)

| Year | Position | Company |
|-------------|---------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1975 – 1976 | Junior Engineer Assigned to Mac Donald Wagner & Priddle | Joint Sugar Project, unit Pesantren Baru, Sragi dan Mojokerto, INDONESIA |
| 1973 – 1974 | Desain and Construction Supervisor | Panitia Pembangunan Universitas Kristen Petra, Surabaya, INDONESIA |

ACADEMIC POSITION

Latest academic position held is Associate professor of civil engineering Department of Petra Christian University, Surabaya, Indonesia.

UNIVERSITY ADMINISTRATION EXPERIENCES

Held various administrative post at Petra Christian University, Surabaya Indonesia, including.

Head of Structural Engineering and Head of the concrete and structural laboratory.

Head of Building Science Post graduate program in construction Management.

TEACHING EXPERIENCES

Hold numerous teaching position at civil engineering department and Post graduate courses program in construction management.

Civil engineering dept. :

1. Structural concrete I
2. Structural concrete II
3. Structural concrete III
4. Structural concrete IV
5. Structural Analysis III
6. Concrete Technology
7. Structural Steel II,III,IV.

Post graduate course :

1. High Rise Building Design
2. Earthquake resistant design of concrete structure
3. Quality control and TQM in concrete production
4. Building defects diagnostic and remedial methods
5. Precast and Prefabricated structures

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES

| Year | Design activities |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2002- | <p>Design of Imperial Family Club Pakuwon Indah, Surabaya</p> <p>Design of 3 Story Atlas Sport Centre, Surabaya PT. Tatamulia Nusantara Indah</p> <p>Design of clove cleaning and clove tanks structure PT. Gudang Garam TBK , Gempol-Pasuruan</p> |
| 2001- | <p>Review office building PT. Karya Dibya Mahardhika, Pandaan-Jatim</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 Chatolic Tarakanita, Jakarta</p> <p>Foundation Helipulp for Helico Pulper, PT. Eternit Gresik</p> <p>Foundation Silika Grinder, Gresik, PT. Eternit, Gresik</p> |
| 2000- | <p>Kiln Dry and Boiler Machine, Surabaya PT. Dharma Satya Nusantara</p> <p>Evaluasi of Pipe Rack and Jetty Gresik PT. Maspion Industrial Estate, Gresik</p> <p>Site Visit and Analysis of Damage Approach Trestle of Jetty Gresik PT. Siam Maspion Terminal, Gresik</p> <p>4 story classroom facilities, Elementary School and Junior High School Chatolic Santo Yosef, Surabaya</p> <p>5 story office building and 4 story car park building , PT. Sayap Mas Utama, Jakarta</p> <p>4 story class room facilities, Kindergarten School and Elementary School Kristen Petra, Surabaya</p> |

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

| Year | Design activities |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1999- | Workshop and Office Extention, Gresik Gases Indonesia Process Plant Gresik, Jawa Timur. |
| 1998 - | Evaluation and Repair, Sidoarjo underpass, Surabaya-Malang toll road Design of a 5 story class room Widya Mandala Chatolic University, Surabaya Design of a 8 story Chemical Laboratory Widya Mandala Chatolic University, Surabaya |
| 1997 - | Evaluation and repair, shop house, at Plaza Segi Delapan, Surabaya Design of a 8 story office Sinar Galaxy, Surabaya Design of a 10 story Bank Hastin, Surabaya Design of Gresik Gases Indonesia Process Plant, Gresik Design of a 9 story Yamaha Centre, Surabaya Design of Becco Hotel & Residential Development, Surabaya Design of a 17 story 3 star Hotel, Surabaya Design of a 6 story Rungkut Megah Mall, Surabaya |
| 1996 - | Design of a 20 story Graha Pena Jawa Pos, Surabaya Design of a 6 story Gedung Kejaksaan Negeri, Jakarta Pusat Design of a 30 story Unika Atmajaya, Jakarta Selatan Design of a 14 story Car Park at Unika Atmajaya, Jakarta Selatan Design of a 21 story and 24 story Gandaria apartemen, Jakarta Design of Syncrolift Platform & Launching Beam, Batam Design of TP IV Retail Building, Surabaya Design of Pakuwon Super Mall, Surabaya Design of Balaraja Business Park, Jakarta |

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

| Year | Design activities |
|-------------|----------------------------------------------------------------------------------|
| 1996 | Design of a 11 story Ibis Hotel, Bogor |
| | Design of Tambak Osowilangon Mall, Surabaya |
| | Design of Family Club House, Surabaya |
| | Design of Bukit Darmo Golf Club House, Surabaya |
| | Design of Marketing Office, Surabaya |
| | Design of Pertokoan & Perkantoran Darmo Dinamis Komplek, Surabaya |
| | Design of a 11 story Ibis Hotel, Bogor |
| | Design of Sekolah Ciputra, Surabaya |
| | Design of Main Gate Ciputra, Surabaya |
| | Design of Alumindo New Cold Mill, Sawotratap Waru, Sidoarjo |
| | Design of Wisma Indo Asia, Surabaya |
| 1995 - | Design of a 25 story Mercure Apartment, Surabaya |
| | Design of a 29 story Peninsula Hotel, Jakarta |
| | Design of a 4 story Sekolah Yaporti, Jakarta |
| | Design of a 5 story Yaporti Hospital, Jakarta |
| | Design of Floraya Hunian Mediterania, Surabaya |
| | Design of Expansion of Camco Omya Indonesia Factory, Sidoarjo |
| | Design of Extension of Eternit Gresik Factory, Gresik |
| | Design of Dharmala Rental Office, Surabaya |
| | Design of Hopax Enterprise Indonesia's Factory, Ngoro Industrial Park, Mojokerto |
| | Design of a 6 story Tantris Hotel, Surabaya |
| | Design Agip Industrial Facilities, Gempol Pasuruan |

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

| Year | Design activities |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1994 - | <p>Design of Grand Mall, Surabaya (construction postponed)</p> <p>Design of a 28 story Condominium Building at Pakuwon City, Surabaya (in construction)</p> <p>Design of a 16 story Century City Hotel, Surabaya (waiting construction)</p> <p>Design of Grand Mall, Surabaya (construction postponed)</p> <p>Design of a 6 story East and West Wing Building of Surabaya Municipal Building, Surabaya</p> <p>Design of a 19 story Surabaya Municipal Building, Surabaya (waiting construction)</p> <p>Design of Tunjungan Crystal Hotel, 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> <p>Design of a 28 story Sunflower Garden Condominium, Surabaya</p> <p>Design of a 24 story Apartment, Surabaya</p> <p>Design of Soklin Factory Building, Driyorejo</p> <p>Design of Monumen Mandala Pembebasan Irian Barat at Ujung Pandang</p> |
| 1993 - | <p>Design of a 28 story 5 star hotel at Tunjungan City, Surabaya</p> <p>Design of an 8 story stack car park at Tunjungan City, Surabaya</p> <p>Design of a 4 story ball room at Tunjungan City, Surabaya</p> <p>Design of an 18 story 5 star hotel extension at Tunjungan City, Surabaya (construction postponed)</p> <p>Design of a 17 story Pandya Office Building, Surabaya (construction postponed)</p> |

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

| Year | Design activities |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1992 - 1993 | <p>Redesign of Dry Dock of PT. Ben Santosa, Jl. Nilam Barat, Surabaya</p> <p>Evaluation of Crack Apartment Building, Hyatt Hotel Extension, Surabaya</p> <p>Study to Repair Tonasa Cement Factory wharf at Ujung Pandang</p> <p>Design of PT. Camco Omya Indonesia (Calcium Carbonate factory building, Sidoarjo)</p> |
| 1991 - 1992 | <p>Design of Alumindo Light Metal Industry factory building, Sawotratap, Waru</p> <p>Design of Surabaya Intercontinental Hotel, Seafer Centre, a mixed used complex, jl. Akhmad Yani, Surabaya (design changed)</p> <p>Design of Indaco Building, a ten storey office building, Jalan Raya Mayjen Sungkono, Surabaya</p> <p>Design of Novotel Trawas, a three storey resort hotel, Trawas, East Jawa</p> <p>Design of Novotel Surabaya, a 16 storey hotel, Jalan Raya Kupang Indah, Surabaya (construction postponed)</p> <p>Design of Darmo Satelite Town Condominium Complex, Jalan Raya Satelite Selatan, Surabaya</p> <p>Design of Hotel Biliton, Belitung (construction postponed)</p> <p>Design of HPU Building, Ship Hydrodynamic Laboratory, ITS Campus, Surabaya</p> |
| 1990 - 1991 | <p>Design of Cavitation Tunnel Building, Ship Hydrodynamic Laboratory, ITS Campus, Surabaya</p> <p>Design of Hotel Denpasar, seven storey, Jalan Diponegoro, Denpasar, Bali</p> <p>Design of Petra Tower, a ten sotey main administrative and library building, Petra Christian University Campus, Surabaya, Indonesia</p> |

PROFESSIONAL CONTRIBUTIONS / DESIGN ACTIVITIES (continued)

| Year | Design activities |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1990-1991 | Redesign of Appolo plaza, Jalan Tunjungan, Surabaya, Indonesia Design of 17 storey Elmi Hotel extension, Jalan Panglima Sudirman, Surabaya, Indonesia (postponed) Design of PT. Kedawung Subur Industry glass furnace supporting structure, Rungkut Industri III, Surabaya Design of Dian Lestari Perdana Building (Ekonomi Centre), a ten storey office building, Jalan Embong Malang, Surabaya |
| 1989 | Design of Petra Christian University Auditorium, Siwalankerto Campus, Petra Christian University, Surabaya |
| 1988 | Design of Overbridge Shopping Mall Tunjungan Indah Megah, Surabaya |
| 1987 | Design of 7 storey Regent Hotel, Malang Design of 7 storey Bank Artha Niaga Kencana office, Surabaya |
| 1986 | Design of A.T.C feed mill renovation |
| 1985 | Design of Darmo Sentosa Utama Shopping Mall, Surabaya Design of Satelite Plaza Shoping Mall, Surabaya Concrete Quality Control Consultant for Bank Exim Building, Surabaya |
| 1984 | Design of Bank Agung Asia, Surabaya Design of PT. Vita Viva Cometic Factory Building, Surabaya Design of Bank Rama Extention, Surabaya Design of Crown Carpet Factory Building, Surabaya Design of Wisma Mulya Shoping Mall, Surabaya |
| 1983 | Design and Supervision of Proyek Ruas - Ruas Jalan Balikpapan + Samarinda, BINA MARGA RBO VI |

TECHNICAL PUBLICATIONS

Gideon Hadi Kusuma, Takim Andriono, Sunlianto, Tedy Agustino “ A Limitation on the Infilled frame dimension due to Earthquake face loading” Dimensi Teknik Sipil, Jurnal Keilmuan dan Penerapan Teknik Sipil, Universitas Kristen Petra, Surabaya, volume 2 Nomor 1, Maret 2000.

Gideon Hadi Kusuma, Vivi Sulistyowati Tjio, Pamuda Pudjisuryadi “ Cracked with Design of Partially Prestressed concrete using Unified Approach” Dimensi Teknik Sipil, Jurnal Keilmuan dan Penerapan Teknik Sipil, Universitas Kristen Petra, Surabaya, Volume 2 Nomor 1, Maret 2000

Gideon Hadi Kusuma, Handoko Sugiharto, Hadi Pranoto, Rusli Sarjimin “The used of Microwave Oven for measuring water content in Aggregate and fresh concrete” Dimensi Teknik Sipil, Jurnal Keilmuan dan Penerapan Teknik Sipil, Universitas Kristen Petra, Surabaya, Volume 2 Nomor 1, Maret 2000

Gideon Hadi Kusuma, Ferryanto S.G., Cahyono H., Dedy “ Perbaikan Mutu Pada Proses dan Produksi Spun – Pile dengan Menggunakan Metode Taguchi, Dimensi Teknik Sipil, Jurnal Keilmuan dan Penerapan Teknik Sipil, Universitas Kristen Petra, Surabaya, Volume 1 Nomor 2, September 1999

Gideon Hadi Kusuma, Takim Andriono, Sanny Pudyohartono, Wikiatnata, “ Evaluasi Perilaku Seismik Pilar Jembatan yang Direncanakan dengan Konsep Perpindahan” (Displacement Based Concept), Indonesia Society of Civil and Structural Engineering, Dunia Konstruksi Indonesia Pasca 1998, Wisma Kalimanis, Jakarta, 25 August 1998

Gideon Hadi Kusuma, Yenny I, Venna Y, “Perencanaan Durability pada Struktur Beton berdasarkan Masa Layan”, Short Course on Concrete Durability and Quality, Petra Christian University, Surabaya, 15 December 1998

Gideon Hadi Kusuma, S.G. Ferryanto, Lilik Cayliani, Dewi Ermayani, “Design of Experiment in Concrete”, Short Course in Durability and Quality in Concrete Construction Industry, 15 December 1998

Gideon Hadi Kusuma, “TQM in Concrete Industry”, Short Course in Durability and Quality in Concrete Construction Industry, 15 December 1998

Gideon Hadi Kusuma, H.J. Jepira, Agus Saputro, “Unified Design Provision for Reinforced Concrete and Prestressed Concrete Flexural and Compression Members”, Gast College in Delft, 29 August 1997 and Beton Vereneging

TECHNICAL PUBLICATIONS (continued)

Gideon Hadi Kusuma, S.G. Ferryanto, Lilik Cayliani, Dewi Ermayani, “Quality Engineering in Ready Mix Concrete Process Production Using Taguchi Method”, Lecture at Delft University of Technology, Netherlands, 29 August 1997

Gideon Hadi Kusuma, “Kontrol Kualitas Produk Beton yang Lengkap dan Terpadu”, HAKI Conference on Civil and Structural Engineering, 21-22 August 1995

Gideon Hadi Kusuma, “Kesulitan-Kesulitan dalam Perencanaan Struktur Tembok Bertulang”, Seminar The Advantage of Light Weight Partitioning for Structural Seismic Design, HAKI, Boral, Jakarta, 28 Nov 1995

Gideon Hadi Kusuma keynote speaker, “Usulan Perencanaan Tahan Gempa dalam Peraturan Baja Indonesia yang Baru”, International Conference on Modern Design and Construction of Structure for Safety Economy and Durability, 32nd Anniversary Civil Engineering Petra Christian University, Surabaya, Indonesia, 16-17 Nov 1994

Gideon Hadi Kusuma, Steffie Tumilar, “Pengendalian Mutu Beton melalui Program QA and RQC”, International Conference on Modern Design and Construction of Structure for Safety Economy and Durability, 16-17 Nov 1994

Gideon Hadi Kusuma, Takim Andriono, “Pendidikan dan Lisensi Profesional bagi Rekayasawan Struktur”, Seminar Perencanaan, Perancangan dan Perijinan Bangunan Gedung Tinggi, 18 Nov 1994

Gideon Hadi Kusuma, “Persiapan Produksi Beton Kinerja Tinggi di Indonesia”, Seminar Nasional Bahan Bangunan Struktur, HMS Fakultas Teknik UNS, Surakarta, 15 Dec 1994

Gideon Hadi Kusuma, Takim Andriono, Connie Susilawatie, Andianto Tanujaya, “Perilaku Seismic Portal Baja dengan Ikatan Diagonal Eksentris”, Aspek Rekayasa Sipil dan Bidang Terkait dalam Kategori Bahaya Gempa di Indonesia, Bandung, 29 Mei 1993

Gideon Hadi Kusuma, Seminar Penerapan Standar Beton 1991 dalam Rekayasa Konstruksi, Centre for Civil Engineering Research and Codes Introduction Book 3 Earthquake Design, 8 Oct 1993

Gideon Hadi Kusuma, Takim Andriono, “The Seismic Response of Capacity Designed Partially Prestressed Concrete Frames”, FIP Symposium 1993, Kyoto, Japan, 17-20 Oct

TECHNICAL PUBLICATIONS (continued)

Gideon Hadi Kusuma, Takim Andriono, "An Evaluation on the Curvature Capacity of Precast Prestressed Concrete Piles used in Seismic Areas", FIP Symposium 1993, Kyoto, Japan, 17-20 Oct

Gideon Hadi Kusuma, Short Course on Design of Concrete Structures in Earthquake Area based on the Indonesian Concrete Code 1991, 10-12 Feb 1992

Gideon Hadi Kusuma, Takim Andriono, Sukotjo, Budi Santoso, "Pengaruh Karakteristik Baja Tulangan dan Baja Prategang pada Kapasitas Momen Lentur Penampang Kritis Balok Beton Pratekan Partial", DPU Badan Penelitian Pengembangan Pekerjaan Umum Pusat Penelitian Pengembangan Pemukiman, April 1991

Gideon Hadi Kusuma, "Bagaimana membuat Campuran Beton dengan Perbandingan Volume 1:2:3 yang baik" (A Good Practice for Concrete Volume Batching), Gapensi, 1991 (in Indonesian)

Gideon Hadi Kusuma, "Beton Mutu Sangat Tinggi" (Very High Strength Concrete), In house Seminar P.T. Semen Gresik, 1991 (in Indonesian)

Gideon Hadi Kusuma, et.al., "Pengaruh Karakteristik Baja Tulangan dan Baja Parsiil (The Influence of Reinforcing and Prestressing Steel Characteristic to the Moment Capacity Of Partial Prestressed Beam), Balitbang P.U., Pusat Penelitian dan Pengembangan Pemukiman, April 1991 (in Indonesian)

Gideon Hadi Kusuma, "Tinjauan tentang Peraturan Baja dan Perbandingannya dengan Peraturan Beton untuk Perencanaan Bangunan Bertingkat Banyak di Indonesia"(Comparison between Steel and Concrete Code for High Rise Building), National Seminar on Advances of Multistorey Structures Design Method, Univrsitas Kristen Indonesia Paulus, Ujung Pandang, Maret 1991 (in Indonesian)

Gideon Hadi Kusuma, "Pendetailan Pada Struktur Beton Rangka Terbuka Daktail" (Detailing Open Frame Concrete Structures), National Seminar on Advances of Multistorey Structures Design Method, Univrsitas Kristen Indonesia Paulus, Ujung Pandang, Maret 1991 (in Indonesian)

Gideon Hadi Kusuma, "Rancang Campuran untuk Beton Mutu Sangat Tinggi" (Mix Design for Very High Strength Concrete), Pusat antar Universitas Ilmu Teknik, Universitas Gajah Mada, 4-5 Feb 1991 (in Indonesian)

TECHNICAL PUBLICATIONS (continued)

Gideon Hadi Kusuma, "Perhitungan Sederhana Balok Beton Pratekan Parsiil" (A Simple Design Method for Partially Prestressed Concrete), Seminar Modern Innovation in Prestressend Concrete Structure, Universitas Kristen Petra, 4 Des 1990 (in Indonesian)

Gideon Hadi Kusuma, Steffie Tumilar, "Perilaku Bahan Polymer dan Faktor-Faktor yang mempengaruhinya dalam Perbaikan Beton" (Behaviour and Factors influencing Modified Polymer in Concrete Repair), Seminar Concrete repair & Shotcrete Technology, 25 Oktober 1990 (in Indonesian)

Gideon Hadi Kusuma, Steffie Tumilar, "Perkuatan Balok Beton dengan Menggunakan Shot-Ferrocement" (Concrete Beam Strengthening using Shot-Ferrocement), Seminar Concrete repair & Shotcrete Technology, 25 Oktober 1990 (in Indonesian)

Gideon Hadi Kusuma, "Tantangan dan Perubahan-Perubahan dalam Perencanaan Konstruksi Beton Bertulang" (Challenges and Changes in Reinforced Concrete Design), TReinforced Concrete Seminar, Universitas Kristen Petra, Oktober 1990 (in Indonesian)

Gideon Hadi Kusuma, "Seismic Design Procedure for Steel Moment Resisting and Eccentrically Braced FraMes", Discussion TH. Aachen Prof Sellachek. TNO. Delft.

Gideon Hadi Kusuma, Yan Andrian, "Usulan Faktor Pembesar Dinamis pada Struktur Hybrid Beton Bertulang dalam Pedoman Beton '89" (Dynamic Magnification Factor for Hybrid Reinforced Concrete Structures, A Proposal), Fakultas Teknik Universitas Atmajaya, Yogyakarta, 10-11 Nop 1989 (in Indonesian)

Gideon Hadi Kusuma, Benny Limanhadi, "Evaluasi Bangunan Beton yang Direncanakan dengan PBI'55, PBI'71 terhadap PTGIUG '83" (Evaluation of Reinforced Concrete Building designed in accordance to 1955 and 1971 Concrete Code to 1983 Indonesian Earthquake Code), Seminar Concrete Repair SIKA, 3 Nov 1989 (in Indonesian)

Gideon Hadi Kusuma, "Peningkatan Kekuatan Struktur Asal", Suatu Usulan Untuk Bab 20 dalam PBI'89, Seminar on Concrete Repair, Sari Pacific Hotel, Jakarta, 3 Nov 1989

Gideon Hadi Kusuma, "Perencanaan Portal dengan Penyokong Eksentris Didaerah Gempa" (Design of Eccentrically Braced Frame in Earthquake Area), Structural Dynamic Applications in Civil Engineering Seminar, Fakultas teknik Universitas Indonesia, 17 Nop 1989 (in Indonesian)

TECHNICAL PUBLICATIONS (continued)

Gideon Hadi Kusuma, Martinus, Joe Han, "Penggunaan Dynamic Magnification Factor pada Konsep Pedoman Beton Indonesia 1989" (Dynamic Magnification Factor according to 1989 Indonesian Concrete Code), Pusat Antar Universitas. Institut Teknologi Bandung, 1989 (in Indonesian)

Gideon Hadi Kusuma, Haryono S., Hartono, "Penggunaan Admixture dan Bahan-Bahan Repair pada Rigid Pavement" (The Use of Admixture and Repair Material for Rigid Pavement), Seminar repair SIKA Surabaya, 1989 (in Indonesian)

Gideon Hadi Kusuma, "Usulan Bab 4 Pembaruan PBI'71 Tentang Mutu Beton" (A Proposal for Chapter 4 of The Indonesian Reinforced Concrete Code), Seminar Beton Tehnologi Universitas Kristen Petra, Surabaya, April 1988 (in Indonesian)

Gideon Hadi Kusuma, Yopi Lilo, Hariyono, "Pengaruh Karakteristik Baja Tulangan Indonesia pada Kapasitas Momen Lentur Penampang Kritis Beton Bertulang" (The Influence of Indonesian Reinforcing Steel Characteristics on Moment Capacity of Reinforced Concrete Section), Penelitian Libang Pemukiman, 1989 (in Indonesian).

Gideon Hadi Kusuma, Haryono Sugiantoro, Hartono, "Studi tentang Geser Menurut Beberapa Peraturan beton (ACI 318-83, CP 110, NZSB101, As,480, CSA A23, M84, PBI 71)" (Shear Design Studies according to several Concrete Codes), Pertemuan Pembaruan PBI'71, Bandung, 26-27 Feb 1988 (in Indonesian)

Gideon Hadi Kusuma, "Perencanaan Bangunan Tahan Gempa sesuai PB'89" (Earthquake Resistant Design of Reinforced Concrete Structures according to 89 Concrete Code), Seminar Bangunan Tahan Gempa, Manado UNSRAT - INKINDO, 2 Desember 1988 (in Indonesian)

Gideon Hadi Kusuma, "Usulan Peraturan Tahan Gempa untuk Pembaharuan Bab.16. PBI'71" (A Proposal for Earthquake Resistant Design of Reinforced Concrete Structures for the Revision of 1971 Concrete Code), Universitas Tarumanegara, 9 Juni 1987 (in Indonesian).

Gideon Hadi Kusuma, "Analisa Plastis pada Eccentrically Braced Frames" (Plastic Analysis for Eccentrically Braced Frame), HAKI, UNTAR, U.K.Petra Short Course Design of Steel Structure, Univ. Tarumanegara, 9 Juli 1987 (in Indonesian)

Gideon Hadi Kusuma, "Comparasion of Shear Force Distribution with Equivalent Static and Dynamic Analysis in Serveral Earthquake Code", Internasional Advanced Course in Seismology & Earthquake Engineering, Bandung, 1986

TECHNICAL PUBLICATIONS (continued)

Gideon Hadi Kusuma, "Ragam Keruntuhan pada Portal Beton Bertulang dengan Dinding Pengisi di Daerah Gempa" (Mode of Failure of Reinforced Concrete Infilled Frame in Earthquake Area), Konperensi pada Lustrum ke V, Universitas Parahyangan 1985 (in Indonesian)

Gideon Hadi Kusuma, "Produksi Beton di Indonesia Masalah dan Perkembangannya" (Concrete Production in Indonesia, Problems and Progress), Majalah Konstruksi November 1985 (in Indonesian)

Gideon Hadi Kusuma, "Beberapa Cara Mencari Elastic Critical Load" (Methods for Calculating Elastic Critical Load) Jurnal HAKI 1983 (in Indonesian)

Gideon Hadi Kusuma, Andrew Charleson B.E.M.E. MNZIE, "Peraturan Perencanaan Tahan Gempa untuk gedung 1981 dan Aplikasinya dengan para Teknisi" (Earthquake Design Regulations for Building and its implication to Engineers), Majalah Konstruksi, Januari 1983 (in Indonesian)

Gideon Hadi Kusuma, "Produksi Beton pada Temperatur Tinggi" (Hot Weather Concreting), Majalah Konstruksi, Mei 1985 (in Indonesian)

Gideon Hadi Kusuma, "Suatu Alternatif Disain secara Plastik menurut Konsep Peraturan Konstruksi Baja untuk Gedung - Gedung di Indonesia" (An Alternative Plastic Design According to the 1983 Steel Code), Majalah CIPTA No. 61, 1982 (in Indonesian)

Gideon Hadi Kusuma, "The Application of Pastic Moment Distribution for Earthquake Resistant Unbraced Medium Rise Steel Frame", International seminar on Seismology and Farthquake Engineering, Bandung, 1982

Gideon Hadi Kusuma, "Disain Yang Efisien dengan PBI 1971", (Efficient Design Using 1971 Concrete Code) Majalah CIPTA No.56, 1981 (in Indonesian)

Gideon Hadi Kusuma, "Beberapa Masalah Konsep Peraturan Konstruksi Baja untuk Gedung-Gedung di Indonesia" (Some Problems in the Proposed Indonesian Steel Code), Majalah Konstruksi No. 11, November 1980 (in Indonesian)

Gideon Hadi Kusuma, "Perhitungan Second Order Analysis dengan Kwasi Linear Elastic pada Portal Beton Bertulang" (Second Order Analysis using Quasi Linear Elastic Methgod in Reinfoced Concrete Structures), Journal Teknik HAKI, Vol. 2, Maret 1980 (in Indonesian)

Gideon Hadi Kusuma, "Creep Behaviour on Slender R.C. Column", Thesis presented to the Asian Institute of Technology for the fulfilment for the Degree of Master of Engineering, AIT Bangkok Thailand, 1979

BOOKS PUBLICATIONS

During his membership as a correspondence member of F1 committee CUR Netherland (working together with Indonesia) he writes four books with other co-author from the Netherland.

These four books are entitled:

1. Elementary design of reinforced concrete structures (based on 1991 Indonesia concrete code T15-1991-03) by: W.C. Vis and Gideon Kusuma seri beton 1,2nd edition 1996, 270 pages published by Erlangga (in Indonesia)
2. Concrete construction in practice by : R. Sagel,P.kole, and Gideon Kusuma, seri beton 2, 1st edition,5th printed 1997,240 pages published by Erlangga (in Indonesia).
3. Earthquake Resistant design of reinforced concrete structures (base on 1991 Indonesia concrete code T-15-1991-03), Gideon Kusuma, Takim Andriono, seri beton 3,2nd edition 1995, published by Erlangga (in Indonesia).
4. Graphics and tables for designing reinforced concrete structures., 1st edition 1993, by W.C. vis and Gideon Kusuma, published by Erlangga (in Indonesia).

These four books are technical publication books and were books of the year and were printed more than 40.000 copies, these books are used by students, in the universities, polytechnic and also by practising engineer.

He was invited in 1997 to Delft University as a guest lecture and presenting two topics in a one-day course entitled: 1. Design of Structural concrete past, present, and future in Indonesia.

PROFESSIONAL ORGANIZATION MEMBERSHIP

1. Member of Indonesian Structural Engineer Association (HAKI).
2. Member of HAKI Steel and Timber Technical Committee.
3. Member of American Concrete Institute (ACI).
4. Member of American Institute of Steel Structure (AISC).
5. Member of Australian Institute of Steel Structure (AISC).
6. Member of Staal Bouwkunde Genootschap Netherlands.
7. Corespondent Member F1 C.U.R. - Netherland Samenwerking met Indonesia.
8. Member of 1989 Reinforced Concrete Code Working Committee.
9. Member of 1998 Steel structures code committee

PROFESSIONAL ORGANIZATION MEMBERSHIP (continued)

10. Member of 1999 Earthquake loading code committee.
11. Member of 1999 Steel structural code committee
12. Vice President of the Indonesian structural and civil engineering society (HAKI)
13. Head of the Earthquake loading code, steel code and concrete code working committee of the Indonesian society of civil and structural engineers.
14. Expert Member of the Structures on Soft soil committee, public work department Indonesia, and Rykswaterstaat Netherland.
15. Vice President of the Board Members of the construction services Development Board East Java.
16. Member of the Institution of Engineers Australia (MIE Aust) Chartered Professional Engineer (CPEng)
17. Individual Member of the ICCMS for Asia (Institute Committee on Concrete Mode Lode for Asia).