

# ARCHITECTURE DEPT UII



UNIVERSITAS  
ISLAM  
INDONESIA

*VALUES | INNOVATION | PERFECTION*

- THE UNIVERSITY AT A GLANCE

- THE DEPARTMENT:

- HISTORY

- CURRICULUM

- ACADEMIC ATMOSFER

- INFRASTRUCTURE

UNIVERSITAS ISLAM INDONESIA

YOGYAKARTA ADALAH RUMAH DARI UNIVERSITAS ISLAM INDONESIA  
YANG MERUPAKAN UNIVERSITAS ISLAM PALING TERKEMUKA DI INDONESIA



UNIVERSITAS  
ISLAM  
INDONESIA

## OPENING:STI

Masjoemi (Majelis Sjoero Moeslimin Indonesia) was held in Jakarta on 27 Rajab 1364 (Islamic Calendar) or on 8 July 1945 attended by some political figure including Dr. Muhammad Hatta (the becoming first Vice President of Indonesia), Mohammad Natsir, Mohammad Roem, and Wachid Hasyim, decided Sekolah Tinggi Islam (STI-Islamic Higher School)

1945

STI began operating on July 28, 1945, days before independence day of Republic of Indonesia of 17 August 1945.

### FIRST DAY OF LECTURING

## RENAMED:UJI

Renamed as Universitas Islam Indonesia (UII) on November 3, 1947. UII had four faculties: the Faculty of Religion, Faculty of Law, Faculty of Education, and Faculty of Economics.

1947

Closed down due to Dutch military invasion, the capital city of Republic Indonesia was moved to Yogyakarta, including the UII. Students and staffs joined Indonesian military force to repel the invasion.

### CLOSED DUE TO WAR

1948

## UII CAMPUS: PART OF SULTAN'S PALACE

Shortly after the war, due to economic and political instability UII had to move its classes from place to place around the city of Yogyakarta and used part of the Sultan's Palace and some of the faculty members' houses as classrooms to run academic activities.

1950

UII gained stability and saw many improvement under the leadership of Prof. Mr. R.H.A. Kasmat Bahuwiningun (1960-1963). UII expanded with Faculty of Islamic Studies and Faculty of Tarbiyah as well as establishing new branches including in Purwokerto establishing the Faculty of Law and Syari'ah (Islamic Law).

### UII: INITAL DEVELOPEMENT

1961-1963

## UII: BIG UNIVERSITY

Under the leadership of Prof. Dr. Sardjito (a leading medical doctor in Indonesia), UII expanded to encompass 22 faculties, five were located in Yogyakarta and the rest were scattered in three provinces: Central Java (Solo, Klaten, and Purwokerto); and West and North Sulawesi (Gorontalo).

1964-1970

Government regulations prevented UII from maintaining educational activities outside Yogyakarta , UII had to close its branch campuses. Some of them became associated with local institutions, or became the embryo of new university founded by the state.

### UII: MOTHER OF SOME UNIVERSTIES

1975

## UII: TOP MANAGEMENT CAMPUS

UII was awarded as one of the top 11 universities on management at national level. The University has a new administration that concentrates on the development of seven excellences as Strategic Plan namely:

- (a) Islamic Values,
- (b) Research Based Learning
- (c) Islamic Ethic
- (d) System and Infrastructure
- (e) Student Character
- (f) Adaptable alumnae
- (g) Institution Profile.

2016

The University has been awarded as the best private universities in Indonesia from DIKTI and 17th rank for public-private university in Indonesia  
The university also received 3 STARS Awards by QS STARS

### UII: BEST NATIONAL AND INTERNATIONAL RECOGNITION

2014

The university was granted for the first time a National Institutional Accreditation (Akreditasi Institusi Perguruan Tinggi) with the A level (the highest) and ranked 12 nationwide for quality assurance.

### UII: NATIONAL HIGEST RANK UNIVERSITY

2013

## UII: BUSINESS EXPANTION

UII expanded its scope of business with various new facilities including JIH Hospital, hotel, boarding facilities, integrated laboratory as well as holding companies under the Foundation of Badan Wakaf

2000s

1997

The university adopted ISO standard for quality assurance, management and administration

### ISO STANDARD

1993

## UII MAIN CAMPUS

UII built the new main campus at Jalan Kaliurang. Most of UII's faculties and buildings will eventually be located on these 34 hectares of land. UII has 8 faculties with a wide range of programs to offer from diploma programs to doctorate programs to profession training programs as well as a system of supporting institutions

1985

UII built new campus at Condong Catur to accommodate the academic activities for Faculty of Economics

### BIGGER CAMPUS

1970-1980

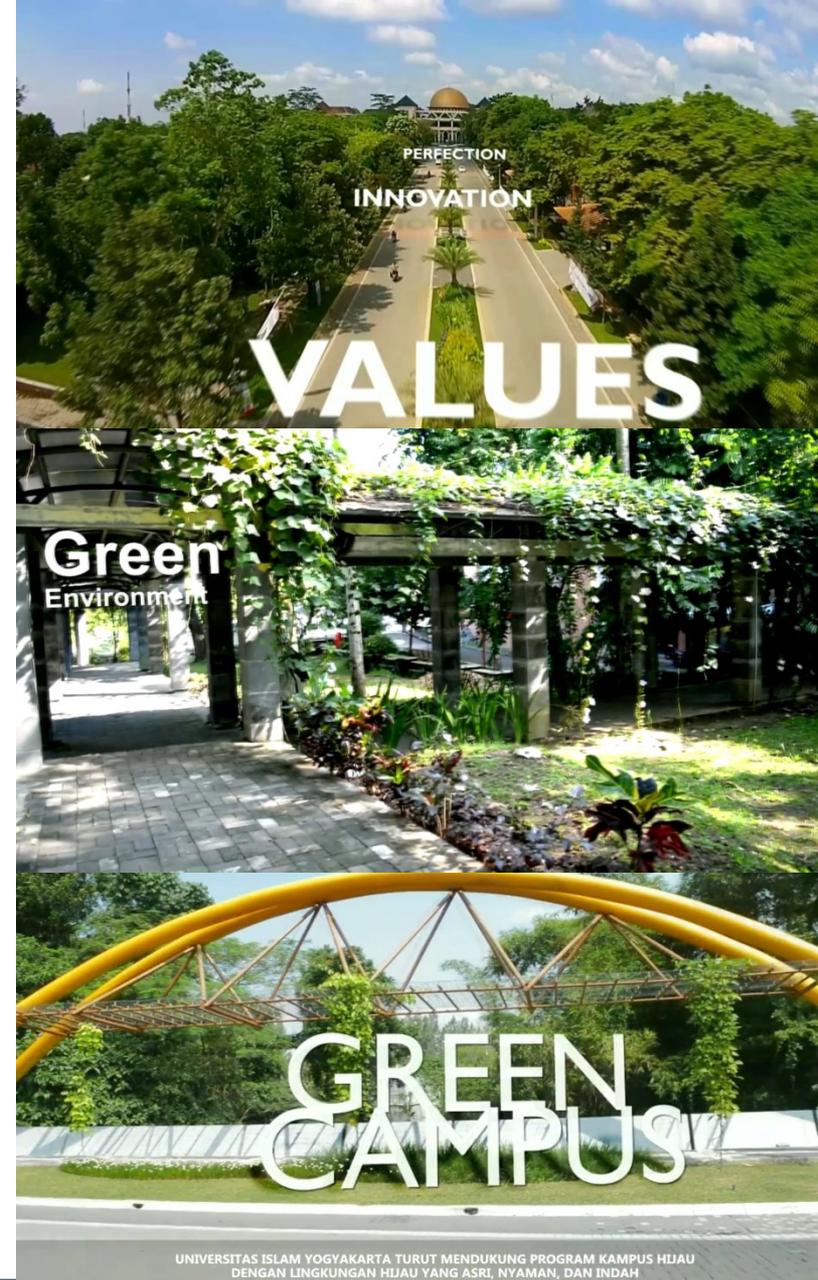
## INFRASTRUCTURE DEVELOPEMENT

UII saw extensive physical development of its offices and faculty buildings, beginning with the current central office on busy Cik di Tiro Street. During this period, several of UII's faculties started to acquire the accreditation status and also initiated collaboration with both national and international entities.



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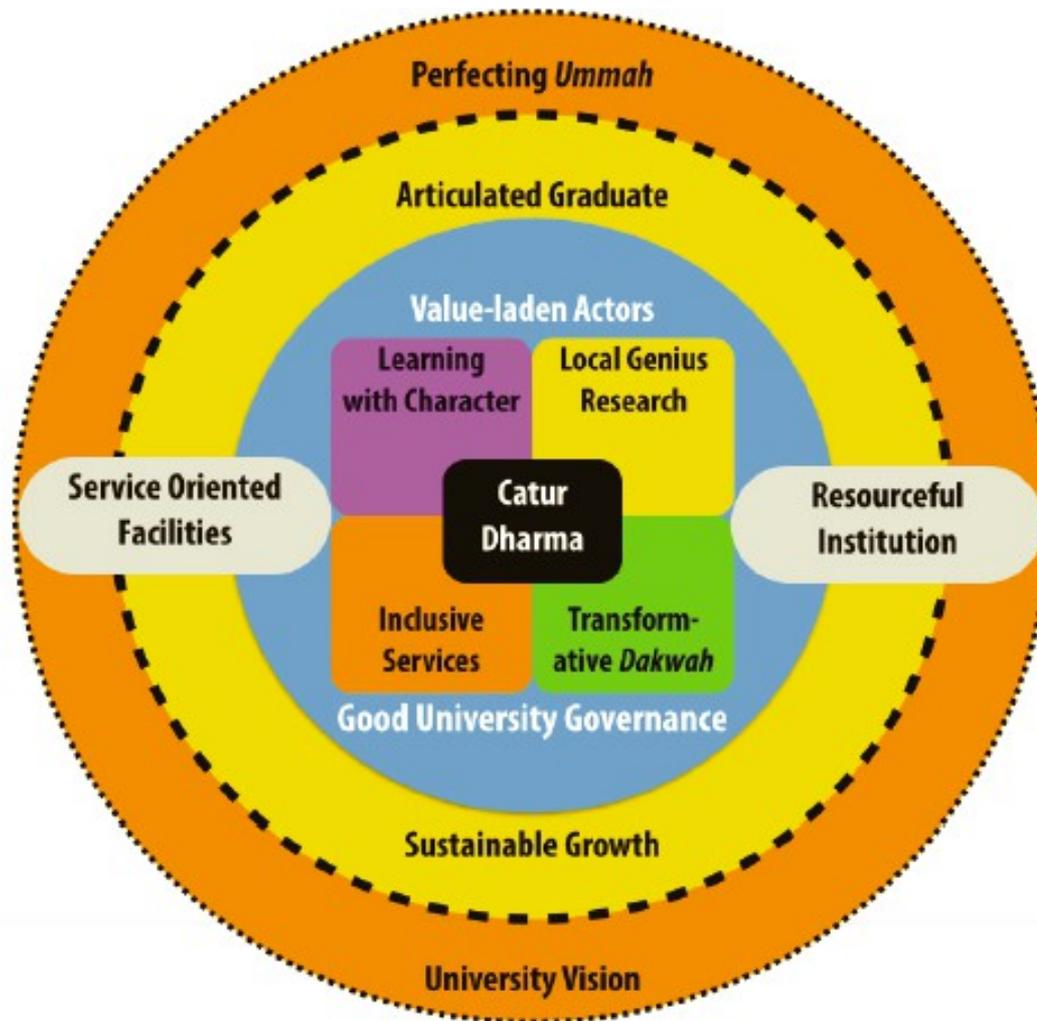
- Towards UII as a **mercy to the world**, aspiring to become an **internationally recognized** university committed to **perfection and Islamic values** in the fields of education, research, community service and da'wa.



UNIVERSITAS ISLAM YOGYAKARTA TURUT MENDUKUNG PROGRAM KAMPUS HIJAU DENGAN LINGKUNGAN HIJAU YANG ASRI, NYAMAN, DAN INDAH

- Upholding *Quran* and *Sunnah* as the sources of eternal truth to convey mercy to the worlds through development and dissemination of science, technology, culture, literature, and art based on Islamic values in order to **nurture scholars and national leaders with good ethical conduct and integrity, having excellences in Islam,**





- Green Campus Awards (IGA 2012, 2014, 2016)
- Best Internal Quality Assurance for university (DIKTI 2009)
- Institution Accreditation: A (Highest level) (DIKTI 2013)
- 3 Stars rated by QS Stars (2016)
- 1st rank Private University (DIKTI 2016)



## Vision Statement:

- To be among the **top three institutions**, as ranked by the National Accreditation Board, and with an **international reputation**. Committed to perfection and Islamic values in the field of education, research, community services and *da'wa*.
- To be recognized as an institution **concerned with community engagement**, as well as environmental sensitivity through excellent educational

To create graduates who possess:

- ★ Awareness on a **broad knowledge** of architectural design.
- ★ Creative in building design based on **sustainable design** principles.
- ★ Able to design buildings to fulfil the **needs of marginal groups**.
- ★ Able to develop **entrepreneurship** skills, **teamwork** within the ethics of Islam, and improve **lifelong learning**.



National Framework	UII Terminologies	Key Competence	Learning Outcome
Attitude	Islamic Attitude	Islamic Ethic & Behavior	Able to express his or her attitude based on universal Islamic law and ethics or his or her personal belief
		Inclusive Mindset	Able to show inclusive worldview engaging global society yet express their own identity of Islam and Indonesia
General Skills	Prophetic Leadership	Exemplification	Able to lead in his / her working environment and be an exemplification for society
		Social Sensitivity	Able to articulate his / her contributive role to excel society
Specific Skills	Transformative Skill	Solution Oriented Skills	Able to enable innovation spirit into actual problem solving in his / her working field
		Transformative Skills	Able to enable innovation spirit into actual problem solving in his / her working field
		Comprehensive Design Skills	Able to design building that acknowledge historical aspects of both traditional eastern and western architecture.
			Able to design building with strong concern on environment conservation, structural system, materials, building envelope, building safety, site conditions, and legal considerations essential to formulate a sustainable architecture.
			Able to show design approach that concern to human behavior, human diversity, inclusive accessibility and building economics essential to formulate buildings for marginal and poor groups.
			Able to show architectural professional skills, enriched with Islamic values, entrepreneurial skills, strong communication skills both written and verbal, working effectively in team and able to show critical thinking and the spirit of lifelong learning.
Able to represent design utilizing building information modelling (BIM)			
Knowledge	Integrative Knowledge	Integrative thinking	Able to express principle of integration of Islamic knowledge within architectural thought and design
			Posses design research knowledge to support architectural design skill

# HISTORY of the DEPARTMENT

## 1987: PROGRAM OPENING

Architecture Program was initially opened in November 9th, 1987 through a decree issued by the Coordinator of Private Higher Education Region V (KOPERTIS Wilayah V). Initially the department enrolled 60 students. The first campus was located on Demangan Baru Street, under the Faculty of Engineering (now Faculty of Civil Engineering and Planning).

On February 10th, 1989, Department of Architecture received the status of "Registered" from the Ministry of Education Decree No.088 / 0 /1989.

## 1989: "REGISTERED" (ENTRY LEVEL)

## 1994: "ACKNOWLEDGED" (MID-LEVEL)

Department of Architecture moved from Demangan Baru Campus to the newly established Integrated Campus, which became the main campus of UII, located on Kaliurang Street, about 16 Km from Mt. Merapi. The department could increase the enrolment capacity up to 100 students a year. On July 9th, 1994, the Higher Education Decree No. 193 / Dikti / Kep / 1994 was received by Department of Architecture for a higher status, the "Acknowledged"

By 1995, Architecture Department was awarded an "Equivalent" status by the Directorate General of Higher Education Decree No.504 / Dikti / Kep / 1995, dated December 30th, 1995. The status received represented the highest level achievement at that time. The enrolled number of students was also increased significantly by an average of 150 students annually.

## 1995: "EQUIVALENT" (HI-LEVEL)

## 1998: ACCREDITED (B)

As mentioned above the BAN PT, the accreditation institution for higher education was introduced by the Ministry of Education in 1996. Department of Architecture UII was among the first institutions underwent the process and gained a success. The certificate of National Accreditation Board of Higher Education No. 00 788 / Ak - 1 / UIIAERNIII / 1998, was received by August 11th, 1998, which granted the department a B (good) grade of accreditation.

Right after one period (five years), BAN PT re-accreditation was commenced in 2003 and Department of Architecture UII was accredited and awarded by highest grade of A (excellent) by the accreditation certificate No. 05 362 / Ak - VI - S1-005 / UIIAER / III / 2003 dated March 12th, 2003. The accreditation score obtained as high as 373.26 points from the maximum of 400.

## 2003: ACCREDITED (A)

## 2016: KAAB CANDIDACY STATUS PPAR - OFFICIALLY GRANTED

Architecture Department UII is in the process to obtain international accreditation through KAAB and has been granted the candidacy status in January 2016, and the 5 years Program was finally granted by High Education Ministry, as the first granted program in architect professional education program

## 2012: 5years PROGRAM (PPAr)

Internationalization of the program had formally began in 2011 with the plan of implementing the double degree program (a collaboration with Saxion University of Applied Science, The Netherlands) The fifth year program of 4+1 scheme, initially started in 2012 by establishment of PPAR (Architect Professional Program)

## 2008: GRANTS WINNER

By the years of 2008, 2009 and 2010 the Department has been awarded numerous national Competitive Grant "A3" from the Directorate of Higher Education consecutively. The grant was dedicated for improvement on education infrastructure, curriculum as well as human resources.

## 2017: 30th Anniversary

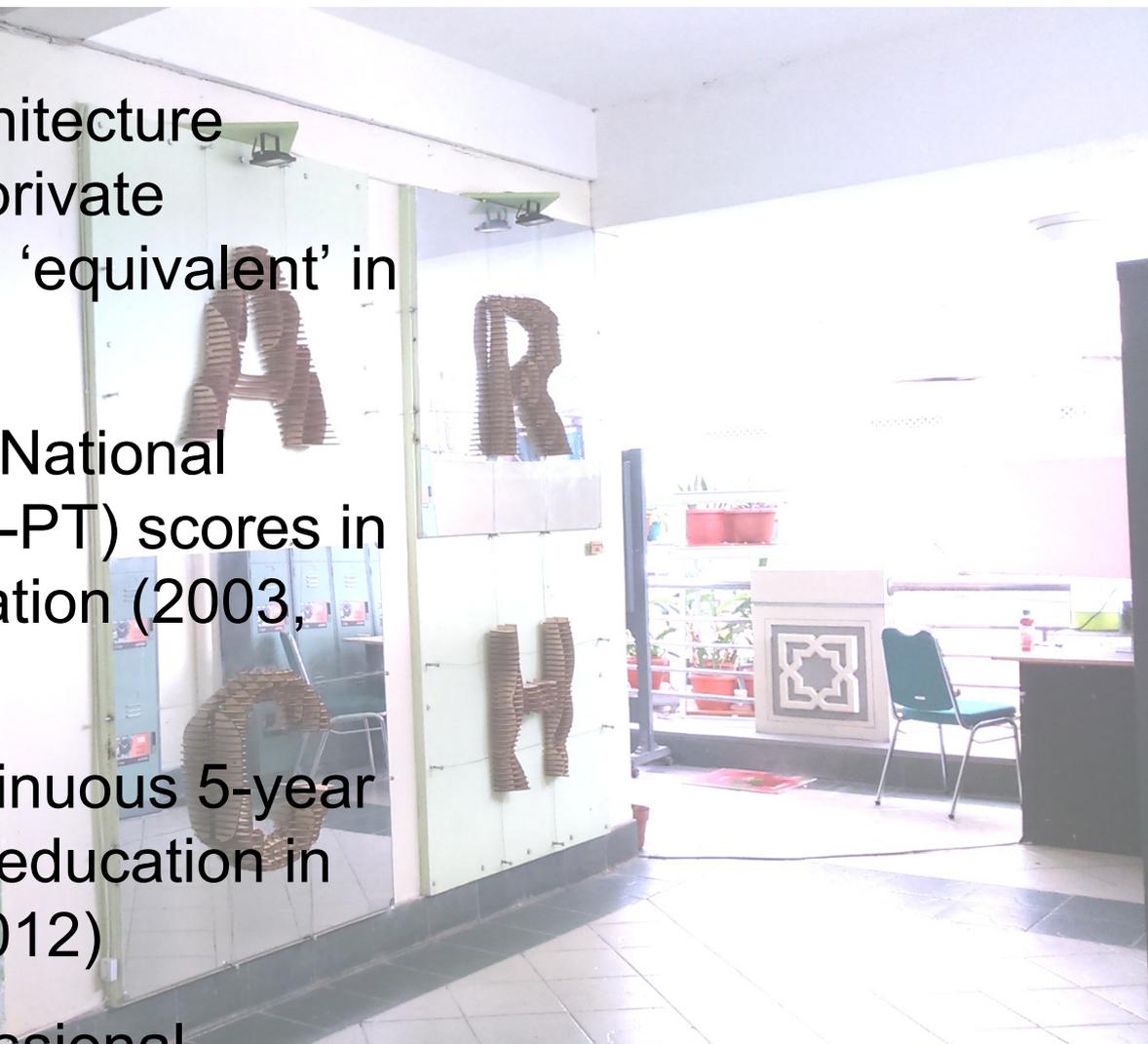
Architecture Department once again has a success in 2013 for to be awarded by BAN PT a highest level accreditation grade of "A" by Certificate No. 237 / SK / BAN - PT / Ak - XVI / S / XI / 2013 dated November 22th, 2013. The grade point is 379 which is one of the highest scores of accreditation among the architecture schools in Indonesia.

## 2013: RE-ACCREDITED (A) ONE OF NATIONAL HIGHEST SCORES

The department won internal competitive grant consecutively from 2011, 2012 and 2013. The program proposed were:  
(a) adaptation of academic structure and system towards international accreditation,  
(b) Development of teaching learning capacity based on Studio Culture and  
(c) Strengthen input-output policies based on international requirements.

## 2011: INTERNATIONALIZATION

- One of the first architecture departments from private university achieved 'equivalent' in 1995 in Indonesia
- One of the highest National Accreditation (BAN-PT) scores in Architectural Education (2003, 2008, & 2013)
- The only one 'Continuous 5-year program' Architect education in Indonesia (since 2012)
- The only one professional program (along with IAI & LPJK)



- Student body: 755+18
- Full time lecturer: 33
- Ratio 1 : 23,4

- Graduate Profile
- Curriculum History
- Ongoing curriculum
- Curricula development

Program	Degree	Profiles of Graduates
<b>Professional Program</b>	<i>Arsitek (Ar.)</i>	Professional Junior Architect practicing independently as <b>entrepreneur or serving and empowering communities</b> in the field of building design
	Bachelor of Professional Architect (B.P.Arch)	Professional Junior Architect applying his or her knowledge and skills by <b>working in design consultant firm and other related fields</b> in construction services, or working in educational institutions and government offices
<b>Bachelor Program</b>	<i>Sarjana Arsitektur (S.Ars)</i>	Graduates ready to apply his or her knowledge and skills in <b>the fields of design and construction services</b> , and ready to develop his or her competence as professional architect
	Bachelor of Design Studies in Architecture (B.D.Arch)	Graduates ready to develop his or her knowledge and skills in <b>the field of education and research</b>
		Graduates ready to apply his or her knowledge and skills related to <b>design and planning</b>
		Graduates ready to apply his or her knowledge and skills related to design and planning by <b>initiating business or working for other people</b>

1987 CURRICULUM	1995 CURRICULUM	2002 CURRICULUM	2008 CURRICULUM	2013 CURRICULUM
<p>First Curriculum following <b>UGM</b> model with some addition on Islamic values (9 semesters)</p>	<p>Comprehensive <b>Professional Orientations</b> (with 4 studios in the 7th semester)</p>	<p>Building design as primary competence Consideration of <b>NAAB SPCs</b> by distributing these criteria into courses</p>	<p>Further consideration of <b>NAAB SPCs</b> Integration of courses into studios with larger number of credits (more than 45% of total courses) to follow RIBA pattern</p>	<p>Consideration of <b>KAAB SPCs</b> and KAAB requirements related to Canberra Accord for five years architect education.</p>

Primary references in the development of this curriculum are:

- 1. **KAAB** Conditions & Procedures For Professional Degree Programs in Architecture 2013
- 2. Competences for Architects as stipulated by Indonesian Institute of Architects (**IAI**)
- 3. Charter of Architectural Education in Indonesia 2010 (**IASA/APTARI**)
- 4. Recommendation of IASA concerning National Competence of Architectural Higher Education 2012

Part 1		Part 2	Part 3		
<b>School</b>		<b>School</b>		<b>RIBA</b>	
<b>Bachelor Honours (BA Hons)</b> (3 years fulltime course)	<b>Year Out / Apprenticeship</b> (1 year)	<b>Bachelor of Architecture (BA Arch)</b> (2 years course)	<b>Year Out / Apprenticeship</b> (1 year)	(exam)	Full licence practicing architect

RIBA  
(Royal Institute of British Architects)

Existing	Plan of Options (School & IAI)				
<b>UII</b>		<b>UII</b>		<b>IAI</b>	
<b>Sarjana Teknik (ST)</b> (4 years fulltime course)	<b>Year Out / Apprenticeship</b> (1 year)	<b>Program Profession Architect (S.Ars)</b> (1 years course)	<b>Year Out / Apprenticeship</b> (1 year)	(exam)	Full licence practicing architect

IAI  
Indonesia

No	Courses	Smt	sks	Com muni catio n		Cultural Context					Design						Technology					Profession											
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Total courses	1-10	18 6	9	14	10	4	3	9	11	5	6	6	3	4	5	5	6	3	3	3	4	4	4	6	3	5	10	5	12	13	11	6

Professional Architect Degree Program (186 credits)	Bachelor Program (150 credits)	Compulsory (33 courses, 142 credits)
		Elective (2-4 courses, 8 credits)
	Professional Program (36 credits)	Compulsory (4 courses, 28 credits)
		Elective (2 courses, 8 credits)



PROGRAM STRATA 1   Sarjana Arsitektur (S. Ar)									PPAr   Arsitek (Ar.)			
CLUSTER	SEMESTER 1	SEMESTER 2	SEMESTER 3	SEMESTER 4	SEMESTER 5	SEMESTER 6	SEMESTER 7	SEMESTER 8	SEMESTER 9	SEMESTER 10		
Institutional Character	Principles of Islam (2)	State Philosophy (2)	Islamic Leadership Studies (2)	Islamic Thought and Civilization (2)			Citizenship (2)					
	English (2)	Islamic Worship and Ethics (2)					Entrepreneurship (2)					
	Mathematics (2)							Student Social Service (2)				
Integrated Design	Architectural Design Studio1 (4)	Architectural Design Studio2 (4)	Architectural Design Studio 3 (6)	Architectural Design Studio 4 (6)	Architectural Design Studio 5 (6)	Architectural Design Studio 6 (8)	Architectural Design Studio 7 (8)	Bachelor Final Project* (8)	Professional Studio 1 (8)	Professional Studio 2 (8)		
Architectural Communication	Architectural Drawing (4)		Building Information Modelling (4)		Writing Techniques (2)	Academic Writing (4)	Theory Electives (2)				Seminar (2)	
Theory and Urbanism	Architecture (2)	Site Planning (4)		History and Theory of Architecture (4)	Design Thinking (4)	Introduction to Urban Design (4)				Advanced Architectural Theory (2)		
				Indonesian Architecture (4)		Housing Studies (2)						
				Sustainable Architecture (2)		Building Performance Evaluation (2)						
Building Science and Technology	Building Materials and Construction (4)	Principles of Building Structure (4)	Building Structural System 1 (4)	Building Structural System 2 (2)	Integrated Building Engineering (4)							
			Building Infrastructure (2)									
		Thermal Environmental Control (2)										
Advocacy and Profession		Architectural Lighting (2)	Environmental Accoustic (2)									
					Professional Practice (4)		Studio Electives (4)			Professional Electives (2)	Profession Ethics (2)	
									Professional Electives (2)	Professional Electives (2)		
<b>Beban SKS</b>	20	20	20	20	20	20	20	10	150	14	14	28

GELAR SARJANA ARSITEKTUR

GELAR ARSITEK

\* for the final task, there are requirements that must be fulfilled.

→ prerequisite = minimum score D → prerequisite = minimum score C



PRE-PROFESSIONAL  
PROGRAM  
4 YEARS



PROFESSIONAL  
PROGRAM  
5 YEARS



DOUBLE-DEGREE  
PROGRAM  
3 + 1

Credit → SKS (1 sks ~ 160 Minutes)

## TEORETICAL COURSES:

1 SKS =

- 50 minutes /week class-course
- 50 minutes /week outclass task
- 60 minutes /week self-study

## STUDIO:

1 SKS =

- 40 minutes /week studio meeting
- 23<sub>60</sub> minutes /week studio works



# Student-tutor meeting time

ADS 7 (8 SKS)	Studio Day 1	Studio Day 2	Studio Day 3	TOTAL
Minutes (13.00-16.20)	200	200	200	600
students (max)/class	15	15	15	15
student-minute/week	13.33	13.33	13.33	40 MIN

# Time needed for a student in average

7th semester	SKS	duration/week	
Total Credit	20.00		
Course Credit	12.00	1,920.00	minutes
Studio Credit	8.00	1,820.00	minutes
Total Time a week		3,200.00	minutes
Time/day - (5 days)		640.00	minutes
		10.67	hour

STUDENT PERFORMANCE CRITERIA		ARCHITECTURAL DESIGN STUDIO 1	ARCHITECTURAL DESIGN STUDIO 2
1	COMMUNICATION		Graphic & verbal explanation
2	MEDIA	Sketches and physical model	Sketches, manual drafting, physical model and presentation board
3	ARCHITECTURE SCIENCE, TECH, F.ART	Geometric exploration & logic	Architectonic, anthropometric and tectonic exploration
9	FORM&SPATIAL ORGANIZATION	Intuitive & empirical observation	Programmatic precedent & empirical observation

# Architectural Design Studio 1



## CRYSTAL OF CHAOS

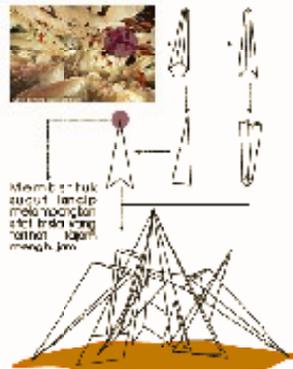
Let the chaos in our heart crystallized beautifully

### KONSEP

Konsep perancangan desain ini kristalisasi dari sebuah bentuk alam yang kemudian disederhanakan menjadi sebuah bentuk-bentuk geometris. Untuk tetap dapat menghidupkan bentuk tersebut, sehingga menghasilkan ruang yang dengan ukuran sebenarnya, dipakai.



### TRANSFORMASI BENTUK

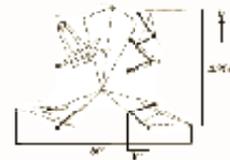


Menjadi bentuk seperti tersebut maka merupakan arti bentuk yang natural, karena memang jawa.

Hasil transformasi bentuk alam diwujudkan dengan sebuah bangunan modern dan desain arsitektural seperti keadaan alam yang berada di sekitar lokasi.

### DENAH DAN TAMPAK

Denah 1:25



Tampak Barat 1:25



Tampak Timur 1:25



Struktur ini dibangun dengan beberapa ruang dengan ketinggian yang rendah sehingga dapat digunakan untuk anak-anak bermain.

Tempat ini juga sebagai shelter dan pemukiman outdoor yang baik, pada shelter ini akan memisahkan struktur acak akan ada di dalam.



# Architectural Design Studio 2

Glondong Gawe merupakan bangunan yang secara fisik dapat digunakan sebagai pusat informasi dan Glondong Gawe memiliki konsep yang sangat unik yaitu sebagai tempat informasi Glondong Gawe yang berada di Kabupaten Sleman dan merupakan salah satu dari Glondong Gawe yang memiliki konsep yang unik dan menarik. Konsep ini adalah konsep yang unik dan menarik yang dapat digunakan sebagai tempat informasi dan Glondong Gawe yang berada di Kabupaten Sleman dan merupakan salah satu dari Glondong Gawe yang memiliki konsep yang unik dan menarik.

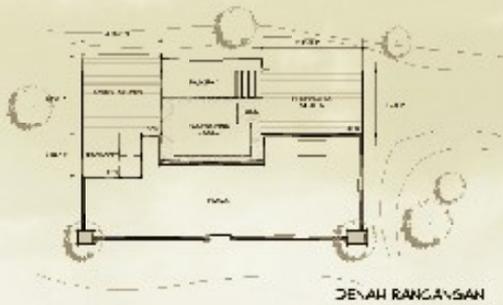
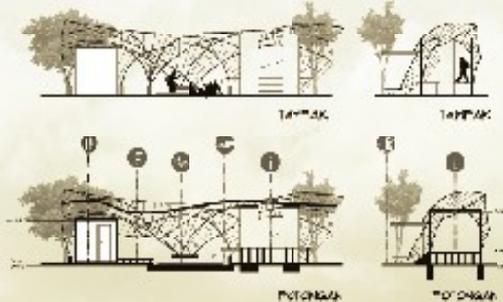
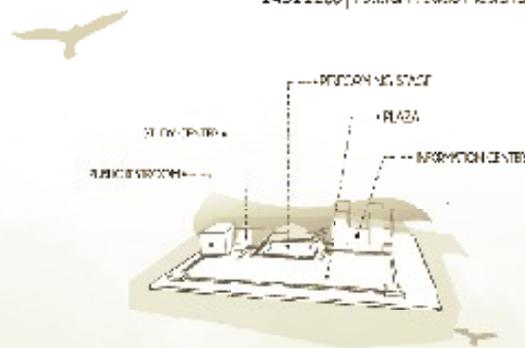
Konsep ini dibangun dengan Glondong Gawe yang memiliki konsep yang unik dan menarik yang dapat digunakan sebagai tempat informasi dan Glondong Gawe yang berada di Kabupaten Sleman dan merupakan salah satu dari Glondong Gawe yang memiliki konsep yang unik dan menarik.

Sebelumnya, lokasi ini merupakan salah satu dari Glondong Gawe yang memiliki konsep yang unik dan menarik yang dapat digunakan sebagai tempat informasi dan Glondong Gawe yang berada di Kabupaten Sleman dan merupakan salah satu dari Glondong Gawe yang memiliki konsep yang unik dan menarik.



## Glondong Gawe

Glondong Gawe Information Center  
di persembahkan kepada  
Gubernur, Bupati, dan Walikota  
Yogyakarta, 10 Agustus 2010, pukul 10.00



STUDENT PERFORMANCE CRITERIA		ARCHITECTURAL DESIGN STUDIO 3	ARCHITECTURAL DESIGN STUDIO 4
2	MEDIA	Sketches, manual drafting, physical model and pres. board	Sketches, 2D digital drafting, physical model and pres. Board
7	HUMAN BEHAVIOR	Form to respond unique activities & functional needs	Form to respond public activities & functional needs
9	FORM&SPATIAL ORGANIZATION	Form to respond natural setting and functional needs	Form to respond urban setting and functional needs
10	PROGRAMMING		Multifunction-spacial programming
12	SITE	Rural setting	Urban setting
13	BARIER FREE		Disability-concern design
14	SAFETY		Urban-related safety and emergency system
18	INTEGRATED DESIGN		Use of building systems in design
22	ENV.CONTROL SYSTEM	Passive environmental control system	Active environmental control system

## HI-TECH TURE

HOMESTAY OF INFORMATIC ENGINEERING

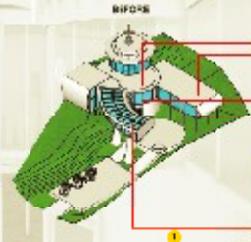


### DESIGN PROGRESS

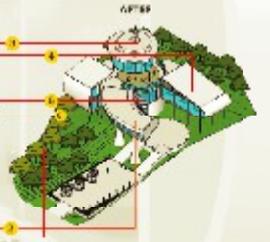
#### ANALYSIS



#### BEFORE



#### CHANGES



**DESCRIPTION:**  
 - TANDA ORIGINASI  
 - REVISI  
 - TANDA ORIGINASI  
 - REVISI

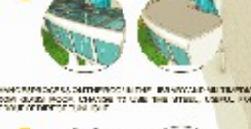
#### CONCEPT DIAGRAM



THE CONCEPT OF 'HI-TECH TURE' IS CONNECTED TO THE CONCEPT OF 'FUTURE' AND 'BUILDING' IN ORDER TO BE A 'HI-TECH TURE' IN THE FUTURE.



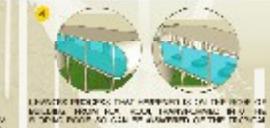
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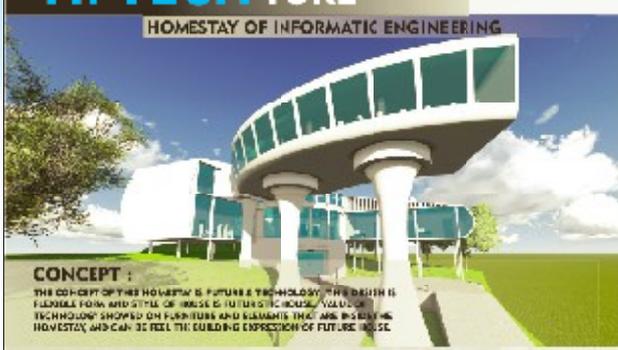
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ABST. DOSEN : PUTRI BUIH

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## HI-TECH TURE

HOMESTAY OF INFORMATIC ENGINEERING



**CONCEPT :**  
 THE CONCEPT OF THE HOMESTAY IS FUTURE & TECHNOLOGY. THE DESIGN IS FUTURE FORM AND STYLE OF HOUSE & FUTURE HOUSE. ALL ABOUT TECHNOLOGY SHOWS ON FURNITURE AND EXAMINIS THAT ARE INSIDE THE HOMESTAY AND CAN FEEL THE BUILDING EXPRESSION OF FUTURE HOUSE.

#### SITE LOCATION



#### OWNER PROFILE :

- PROFESSOR IN COMPUTER IN THE UNIVERSITY AND COMPUTER ENGINEER AND AT ONLINE PROGRAM
- MANAGER
- WORKING AS A SOFTWARE ENGINEER & COMPUTER PROGRAMMER
- WORKING AS A SOFTWARE ENGINEER
- WORKING AS A SOFTWARE ENGINEER

#### BUBBLE DIAGRAM



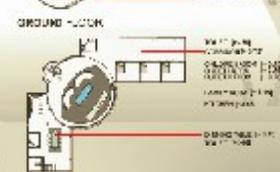
#### SITEPLAN



#### BUILDING PLAN

DOOR, WINDOW, ROOF, FLOOR, WALL, CEILING, STAIR, ELEVATOR, LIFT, ESCAPE ROUTE, AND OTHERS.

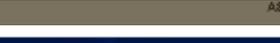
#### GROUND FLOOR



#### FIRST FLOOR



#### SECOND FLOOR



#### SECTION



RIZALDI HPATULLAH  
14512117

DOSEN : M. GALIH GUNAGAMA  
ABST. DOSEN : PUTRI BUIH

2





STUDENT PERFORMANCE CRITERIA		ARCHITECTURAL DESIGN STUDIO 5	ARCHITECTURAL DESIGN STUDIO 6
1	COMMUNICATION		Bilingual Communication
2	MEDIA	Analytical physical and digital model	Physical and digital model
5	NUSANTARA ARCHITECTURE	Nusantara architecture context	Global-local context
6	ARCHITECTURE & SOCIETY	Specific & Unique society	Commercial-common society
7	HUMAN BEHAVIOR	Unique user	Common user
9	FORM&SPATIAL ORGANIZATION		Business /commercial / public
11	SITE CONTEXT	Historical or local value site	Urban site
13	BARRIER FREE		Disability concerns
14	SAFETY		Safety and emergency concerns
15	BUILDING SYSTEM INTERGRATION	Unique form, span structure	Multi-storey building system
18	INTEGRATED DESIGN		Function-System concerns
20	STRUCTURAL SYSTEM	Specific, wide-span structure	Multi-storey building structural system
23	BUILDING SYSTEM TECHNOLOGY		Advanced building systems
24	COMPUTER TECH.		B I M Utilization
25	BLD. MATERIAL & RECYCLING		Building construction in detail
28	PROJECT&ARCHITECT		Project simulation







STUDENT PERFORMANCE CRITERIA		ARCHITECTURAL DESIGN STUDIO 7	BACHELOR FINAL PROJECT
1	COMMUNICATION		Comprehensive communication
2	MEDIA	Experimental physical and digital model	Variety of models to support academic analysis
3	ARCHITECTURE SCIENCE, TECH, F.ART		Form based on particular academic analysis
7	HUMAN BEHAVIOUR		Specific user accomodation
8	SUSTAINABLE CITY & ARCHITECTURE	Analysis in certain contemporary urban issues	
10	PROGRAMMING	Programming for Building and site suitability in Urban context	"Academic programming"
11	SITE CONTEXT	Urban and city site context	
12	SITE PREPARATION		Completed site analysis
13	BARRIER FREE		Disability design-concern
14	SAFETY		Building safety design concern
15	BUILD. SYSTEM INTEGRATION		Integrated design based on special concepts
16	ALTERATION & MAINTENANCE	Building alteration & maintainance, based on city's historic values	
17	ARCHITECTURE & CITY	Appropriate design guideline for city	
18	INTEGRATED DESIGN		Integrated design based on certain specific issues
28	PROJECT & ARCHITECT	Architect role in urban concepts	
29	BUILDING CODE & REGULATION	City regulation and building code concerns	Law and regulation concerns in design





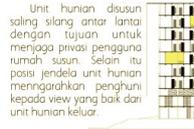
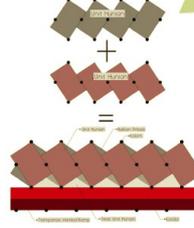
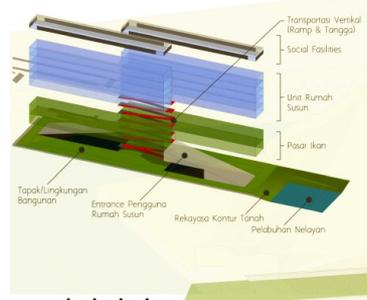


- RUANG DAN FASILITAS PASAR**
- Kios / Loo
  - Jalan dan Gang
  - Suluran Pembuangan Air
  - Tempat Penampungan Sampah
  - Kiosar Pengelola Toilet
  - Muhala
  - Pelayanan Air Bersih
  - Halaman dan Tempat Parkir Kendaraan
  - Alas Pemadam Kebakaran
  - Pos Keamanan Pasar
  - Tempat Penertan
  - Taman dan Penyejukan
  - Instalasi Pengolahan Air Limbah

- UNIT**
- Unit Hunian Rumah Susun
  - Back of House (Masang-masing Unit)
  - Transportasi Vertikal (Ramp & Tangga)
  - Transportasi Horizontal (Koridor)
  - Dapur Bersama
  - Ruang Interaksi
  - Ruang Cuci/Menyemar Bersama
  - Tempat Parkir
  - Kiosar RTSWW
  - Parkir Hunian

- FASILITAS KONEKSI**
- MajelisAula dan Perpusakaan
  - Healthly Center
  - Peleburan/Tambatan Kapal Nelayan
  - Ruang Freer
  - Ruang Penyimpanan
  - Ruang Penyempunan Bahan Bakar
  - Ruang Penyempunan Ikan
  - Pasar Ikan

- FASILITAS KONEKSI & SIKLUS AIR**
- Rumah Tangga Perikanan Budidaya
  - Pasar Sayur dan Buah
  - Perikanan/Waring
  - Lanekarua Ruzan
  - Ruang Pengolahan Limbah Organik
  - Ruang Pengolahan Limbah Anorganik
  - Area Filtras Sampah dan Air Sungai
  - Vegetasi Basah
  - Taman Terbuka

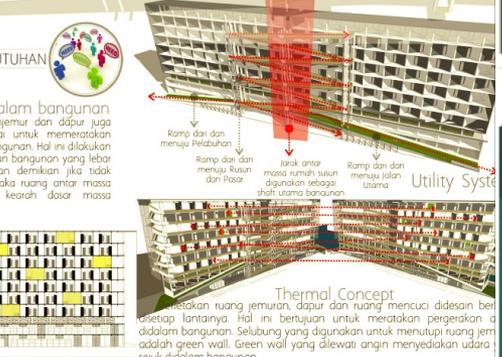
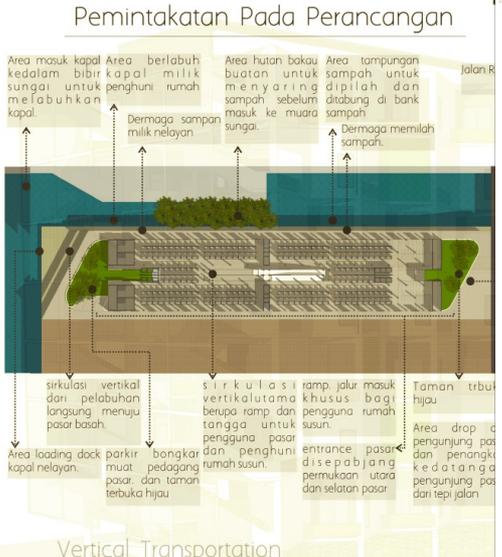


## Skema Kedekatan Ruang

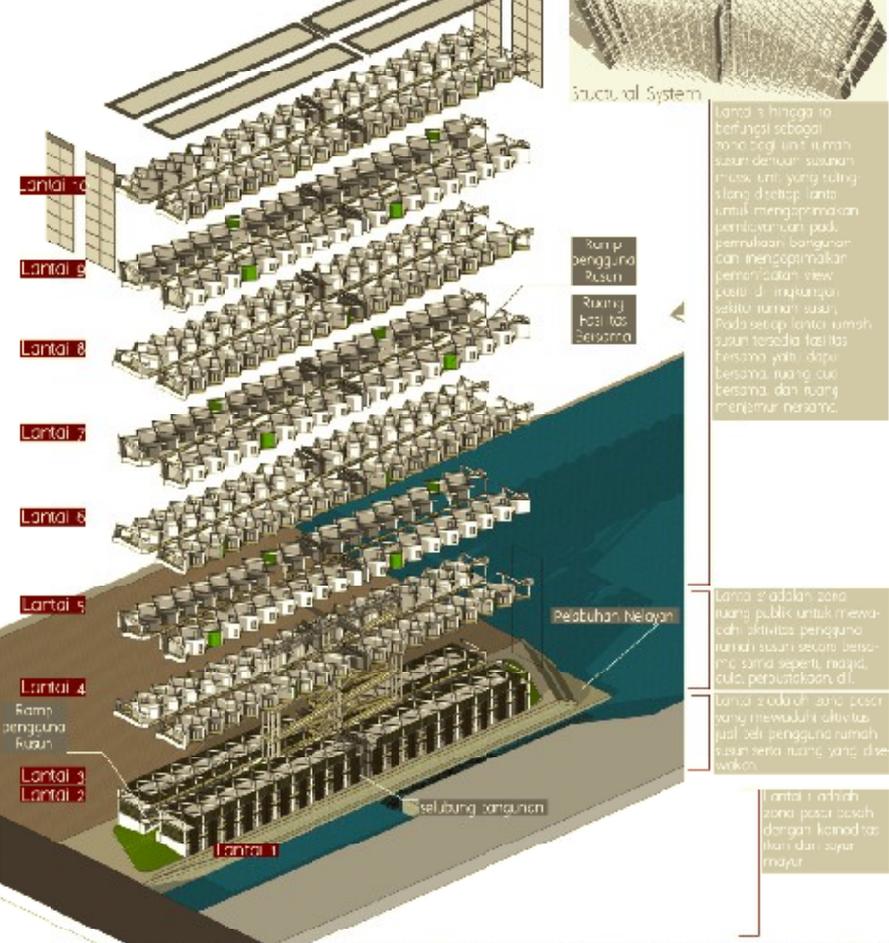
- KETERANGAN :**
- Hubungan Ruang Sangat Dekat
  - Hubungan Ruang Dekat
  - Hubungan Ruang jauh
  - Tidak Memiliki Hubungan Ruang

## Skema Kedekatan Ruang

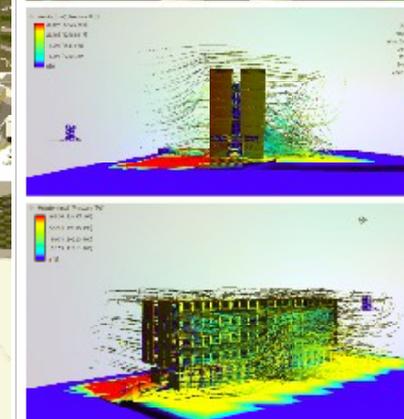
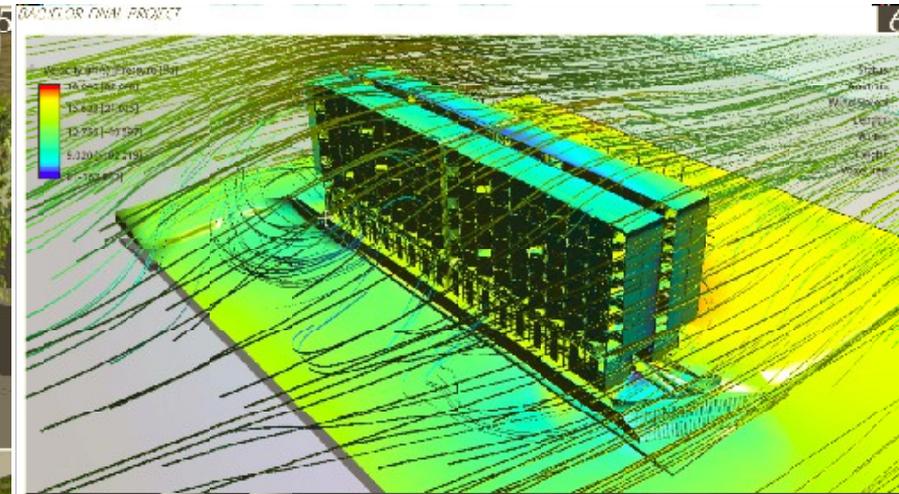
- KETERANGAN :**
- Hubungan Ruang Sangat Dekat
  - Hubungan Ruang Dekat
  - Hubungan Ruang jauh
  - Tidak Memiliki Hubungan Ruang



## ANALISIS FINAL FRONT



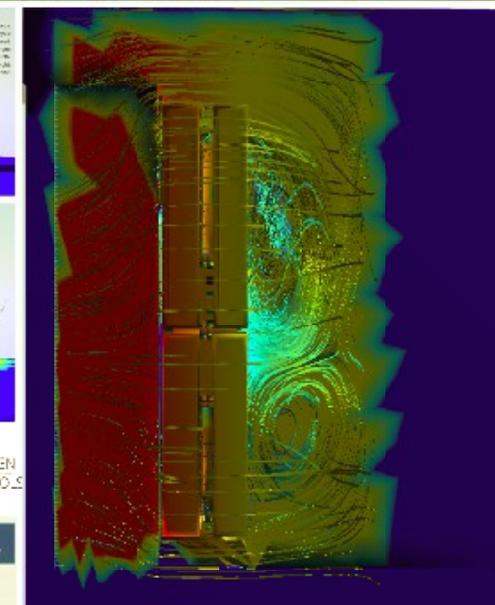
# Architectural Design Studio 8



PENGUJIAN DENGAN MENGGUNAKAN AUTODESK FLOW DESIGN  
PEBUJIAN DENGAN MENGGUNAKAN GREENSHIP RATING TOOLS

Kriteria Perilaian	Jumlah Variabel	Nilai Per Variabel	Hasil Kurulasi
Appropriate Site Development	8	0,2	0,64
Energy Efficiency and Conservation	4	3	0,75
Water Conservation	2	4	0,8
Material Resources and Cycle	7	7	1
Indoor Health and Comfort	7	7	1
Building Environment Management	7	7	0,96
<b>Jumlah:</b>			<b>0,88</b>

berdasarkan hasil analisis target menentukan variabel yang ditetapkan dalam GreenShip Rating. Hasil analisis menunjukkan bahwa nilai skor yang paling rendah adalah skor 0,64 dan ini menunjukkan bahwa nilai tertinggi adalah dengan baik memenuhi persyaratan yang ditetapkan dalam GreenShip Rating.



Pergerakan angin terhadap bangunan  
 "Simulasi ini akan menunjukkan bagaimana angin yang datang dari arah barat akan bergerak melalui bukaan-bukaan pada gedung dan bagaimana angin yang masuk akan bergerak ke arah timur. Hal ini akan membantu dalam menentukan lokasi-lokasi yang perlu diperhatikan untuk melindungi bangunan dari angin kencang yang datang dari arah barat."

STUDENT PERFORMANCE CRITERIA		PROFESSIONAL STUDIO 1	PROFESSIONAL STUDIO 2
25	BLD.MATERIAL AND RECYCLING	Real Project: building material use	Real Project: building material use
26	CONS.PROCEDURE & MANAGEMENT	Real Project: construction management	Real Project: construction management
27	ARCHITECT ETIQUE & OBLIGATION	Real Project: professional architect etique	Real Project: professional architect etique
28	PROJECT&ARCHITECT	Real Project: architect role in project	Real Project: architect role in project
29	BUILDING CODE & REGULATION	Real Project: building code concern	Real Project: building code concern
30	ARCHITECTURAL PRACTICE	Real Project: part of architect office	Real Project: part of architect office

## GEDUNG OLAH RAGA (GOR) Kecamatan Dayun

PROFESSIONAL STUDIO 1



Intan Auningtyas, S.T | 14515003  
Supervisor: Ir. A. Saifudin Mutaqi, MT, IAI

### PROGRAMATIC DESIGN

Nama Proyek : Gedung Olah Raga (GOR) Kecamatan Dayun  
Aspek Kepala : 1. Handayani, AGA  
Lokasi : Jalan Raya Perawang Kecamatan Tualang, Kabupaten Stak  
Pemilik : Dinas Parwisata, Pemuda, dan Olahraga Kabupaten Stak  
Tahun : 2018  
Luas Lahan : 40.000 m<sup>2</sup>  
Luas Lantai : 20.000 m<sup>2</sup>  
Jumlah Lantai : 2 Lantai



J. Dian Nusantara I 83 Komp. Perum Dappan, Setuam Yogyakarta Telp (0274) 486 303 Smp (0274) 486 286

### KONSEP DESAIN

Gedung Olah Raga (GOR) Kecamatan Dayun adalah fasilitas yang memadai seluruh kegiatan yang berhubungan dengan olah raga. Didalam gedung ini terdapat berbagai fasilitas yang mendukung segala aktivitas olahraga, diantaranya adalah area pertandingan, tribun dan sebagainya dengan kapasitas yang mencukupi untuk jumlah yang cukup besar. Gedung tersebut diharapkan dapat menjadi wadah yang memberikan kontribusi positif untuk menunjang kegiatan olahraga melalui sarana yang nyaman, dinamis dan humanis. Gedung Olah Raga harus direncanakan dan dirancang dengan seefektifnya sehingga dapat memenuhi kriteria teknis bangunan bangunan yang layak dari segi mutu, biaya dan kriteria administrasi bagi bangunan gedung olahraga. Desain Gedung Olah Raga (GOR) Kecamatan Dayun mempertimbangkan desain Gedung Olah Raga yang dapat memajukan ciri khas bangunan setempat dengan bangunan modern. Sehingga bangunan ini memiliki ciri khas tersendiri.

Site yang ada seluas 4 hektar akan dibangun Gedung Olah Raga Seluas 2 hektar. Lahan yang ada mempunyai kontur yang dominan rata secara keseluruhan.

Beberapa hal yang menjadi penekanan dalam mendesain Gedung Olah Raga (GOR) Kecamatan Dayun diantaranya adalah sebagai berikut:

- Efisien dan Efektifitas Bangunan, sebagai wadah dan juga salah satu faktor pendukung kegiatan olahraga yang dilakukan oleh jajaran instansi di Kecamatan Dayun khususnya. Dengan memperhitungkan lautan lahan yang tersedia, serta alur kegiatan yang akan diwujudkan Gedung Olah Raga (GOR) Kecamatan Dayun ini, peletakan ruang-ruang, plotting fungsi dan tata ruang dalam satu lantai maupun antar lantai didesain se efisien mungkin dan se efektif mungkin.
- Bangunan hemat energy, bangunan Gedung Olah Raga (GOR) Kecamatan Dayun harus merespon isu-isu persoalan aktual terhadap adanya kecenderungan krisis energi secara global yaitu dengan arif dan bijaksana merancang bangunan yang hemat penggunaan Energi Listrik dan ramah lingkungan, dengan semaksimal mungkin memanfaatkan sistem penghawaan dan pencahayaan ruang secara alami

### SCHEMATIC DESIGN

#### DESIGN PROSES AND PRINCIPLE

##### DESIGN PROSES

• SITE VISIT  
STANDARDS  
RESOLUTION

• MASTERPLAN  
PROBLEMS  
ARCHITECTURAL  
PROBLEMS

• ROOM  
PROGRAM  
ROOM  
REQUIREMENT

• ARCHITECTURE  
STRUCTURE  
M & E  
TECHNICAL INPUT

• DESIGN  
DEVELOPMENT

• DETAIL, ENGINEERING DESIGN  
(SPECIFICATION, WORKING DRAWING,  
BILL QUANTITY, OTHER  
RELEVANT DOCUMENTS)

##### DESIGN PRINCIPLE

• FULFILLING REQUIREMENTS  
STANDARDS, AND REGULATION

• FULFILLING BUILDING EFFICIENCY  
FULFILLING FLEXIBILITIES CODE

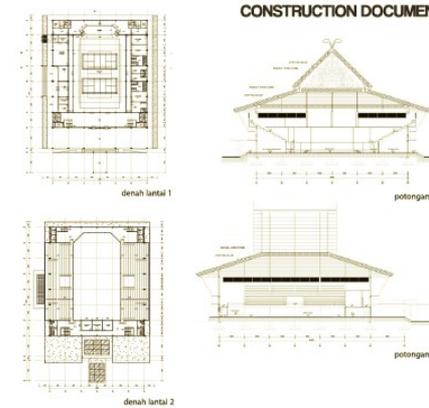
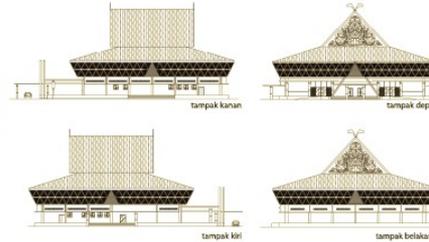
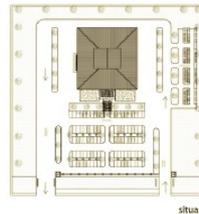
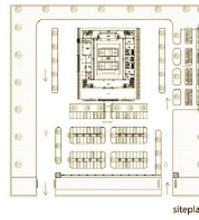
• FULFILLING SPACE FLEXIBILITIES

• PRODUCE PLANNING AND DESIGN  
CONCEPT BASED ON PHYSIOGNOMICAL  
APPROACH URBAN CONTEXT,  
ENVIRONMENTAL MANAGEMENT AND  
CONTROL

• COMPREHENSIVE DESIGN IDEA BASED  
ON ARCHITECTURAL FEAS AND  
CREATIVITY

• ESTABLISH DESIGN GUIDELINE TO  
GENERATE ARCHITECTURAL IMAGES  
DERIVED FROM ARCHITECTURAL  
CONCEPT

### DESIGN DEVELOPMENT



## Hotel Grand Dafam Rohan

Jl. Janti Gedong Kuning, Banguntapan, Bantul, Yogyakarta

Nindyra Falza Fajri, S.Ars | 14515004  
Supervisor: Ir. Handoyotomo, MSA



PROFESSIONAL STUDIO 2

PEMLIK PROYEK  
**Ruhama**  
PT. RUHAMA HARNI PUTERA

PERENCANA  
**PT. WASTUMATRA**  
KENCANA INDONESIA  
Jl. Branjangan No. 1, Demangan Baru,  
Yogyakarta, 55281

### PROGRAMATIC DESIGN

Nama Proyek : Perencanaan Hotel Grand Dafam Rohan Jogja  
Arahan Kepala : Bambang Budiarto  
Jenis Bangunan : Bangunan Komersial  
Lokasi : Jl. Janti Gedong Kuning, Banguntapan, Bantul, Yogyakarta  
Luas Lahan : 8.163 m<sup>2</sup>  
Luas Lantai : 10.494 m<sup>2</sup>  
Jumlah Lantai : 6 lantai  
Pemilik : PT. Ruhama Harni Putera  
Tahun : 2013 / 2015

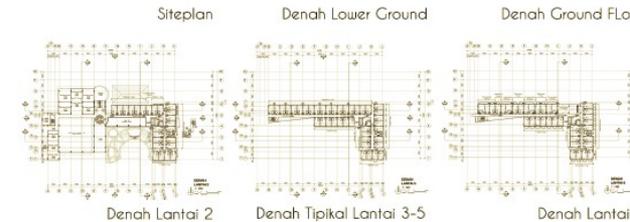
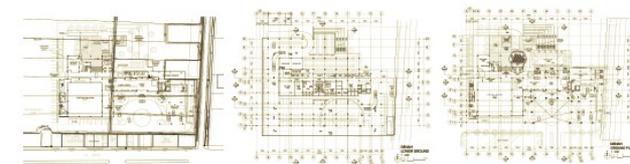
Hotel Grand Dafam Rohan Yogyakarta adalah penginapan di daerah Janti yang dibuat untuk memfasilitasi wisatawan lokal maupun mancanegara yang berkunjung ke daerah Banguntapan, Bantul. Hotel ini diharapkan dapat menjadi penunjang yang memberikan kontribusi positif dalam peningkatan fasilitas wisata di daerah Bantul, Yogyakarta melalui akomodasi yang nyaman, dinamis dan humanis.

Desain bangunan hotel dirancang dengan sebaik-baiknya sehingga dapat memenuhi kriteria teknis bangunan yang layak dari segi mutu, biaya, dan kriteria administratif bagi bangunan penginapan setara hotel bintang 4. Sebagai hasil penulisan atau harapan tersebut di atas maka perlu dibuat Laporan Akhir Pekerjaan Perencanaan/Pembangunan Hotel Grand Dafam Rohan Yogyakarta.

### SCHEMATIC DESIGN

Pada perancangan fasad Grand Dafam Hotel Jogja ini diterapkan konsep gaya arsitektur modern. Hal ini dapat ditunjukkan dengan pemakaian material yang mempunyai kesan ringan dan sederhana, dan tanpa menggunakan ornamen yang ramai. Untuk menciptakan kesan penggunaan material yang ringan, digunakan banyak material pendukung dari kaca, seperti pintu balkon, jendela dan dinding bangunan. Selain itu, kesan modernisme diperkuat dengan permainan garis-garis vertikal pada fasad depan bangunan yang berfungsi sebagai secondary skin/secondary skin yang dipasang pada fasad bagian timur bangunan dengan desain yang dibuat melengkung untuk menghindari kesan bangunan yang terlalu kaku. Konsep warna yang digunakan pada bangunan mengambil ciri khas yang memang sudah dimiliki oleh Grand Dafam Hotel, yaitu dengan menggunakan warna soft dan monochromatic, serta tidak banyak menggunakan warna yang mencolok.

### DESIGN DEVELOPMENT & CONSTRUCTION DOCUMENT



- Studio and laboratory based activities
  - Intensive courses
    - Field study
    - Collaboration & exchange programs
- External academic & professional participations







- Personal assistantship
  - Professors
  - Professionals



- On site cases

- Architectural Excursion



- International
- Industry

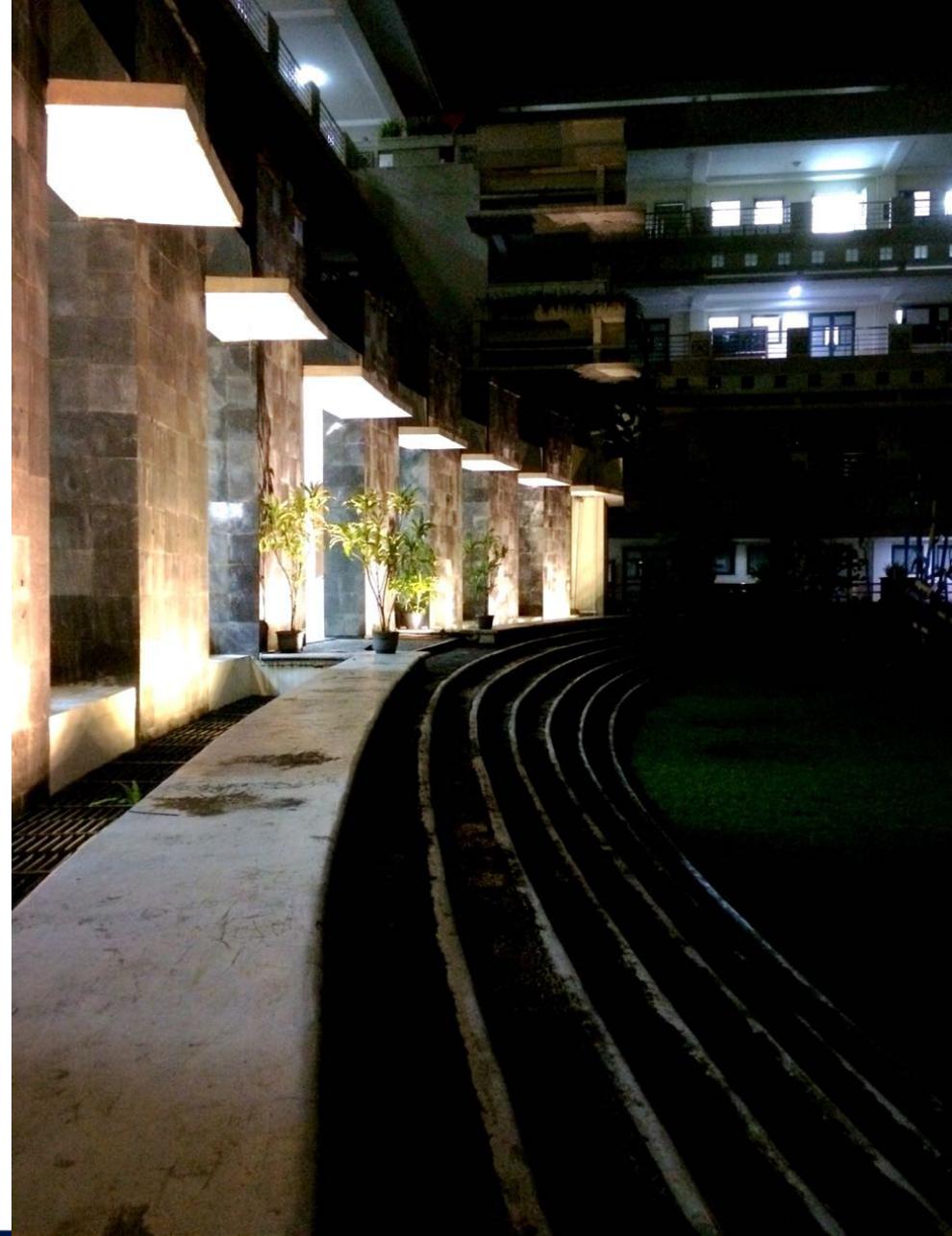


- Cross cultural study

- International atmosphere



- Studio 24 hours
  - Fixed studios
  - Laboratories
  - Information & Resource Centre



24 hours 7 days open for students



Fixed work station for 4,5,6,7,8,10 semester



STU  
6-  
IV/13



# Architectural Design – Building Tech - Digital



## References – Archives – Printing - Studio







# Thank you

**Noor Cholis Idham, PhD, IAI  
Chairman of Architecture Department  
Universitas Islam Indonesia**



**UNIVERSITAS  
ISLAM  
INDONESIA**

*VALUES | INNOVATION | PERFECTION*