

Proposal for Collaboration

**Urban and Regional Planning Bachelor Program, Faculty of Engineering,
Universitas Sebelas Maret (UNS), Surakarta, Central Java, Indonesia**

1. Background

Universitas Sebelas Maret (UNS) was established in 1976. It is now an emerging university. It is among top five universities in Indonesia, rank 69 in SEA, 830 in Asia, and 2367 according to the global rank. UNS has 10 faculties, 99 undergraduate and diploma programs, 31 master programs, and 10 doctoral programs. The university currently has 35840 students consists of undergraduate students and postgraduate students,, and more than 100.000 alumni.

Enhancing the quality level of university has been the main target of Universitas Sebelas Maret (UNS) toward achieving World Class University. The university believes that collaboration can enhance the quality of research and teaching through an exposure to a new perspective and experience of research and teaching. In doing so, Universitas Sebelas Maret (UNS) is developing international collaboration with many universities.

Urban and Regional Planning Bachelor Program, as a part of the civitas academia of Universitas Sebelas Maret, eagerly supports the main target of UNS to actively collaborate with other highly reputable universities to enhance our quality of research and teaching. The bachelor program was established in 2006. Currently, the program is accredited B “Good” by National Accreditation Board for Higher Education of Indonesia. The program has 152 students, 187 alumni, and 13 lecturers. The main focus of this bachelor program is on housing and human settlement; however, our lecturers have a variety of research interest such as on community participation, governance, inter-local government cooperation, urban management, and resilience.

2. Goal

Based on the main target of UNS and our study program intention to also develop our capacity for research and teaching through collaboration, the goal of our proposal is to invite

Urban and Regional Planning Department, Faculty of Built Environment, University Technology Malaysia to collaborate with our bachelor program in both research and teaching.

3. Curriculum of Urban and Regional Planning Bachelor Program

Urban and Regional Planning Bachelor Program, Faculty of Engineering, Universitas Sebelas Maret (UNS) focuses on housing and human settlement. In a broader setting, the study program targeting 5 main outcomes for its learning process, which are:

1. Student is able to understand theoretical concepts of urban and regional planning, majoring in housing and human settlement planning
2. Student is able to perform urban and regional planning techniques and methods with additional competence on housing and human settlement planning techniques and methods
3. Student is able to perform urban and regional planning methods on participatory and community approach
4. Student is able to understand planning procedure and legislation in urban and regional planning process
5. Student is able to understand normative and substantive framework on urban and regional planning documents

In order to achieve this learning outcome, our curriculum is structured on personality development, skill and expertise, working experience, working ethics, and social life skills. Table 1 shows our curriculum in detail.

Table 1 Curriculum

	SEMESTER							
	1	2	3	4	5	6	7	8
Personality Development 8/16	1 Region / 2							
	2 Philosophy of Pancasila / 2	Civic science / 2						
	3 Bahasa Indonesia / 2	Philosophy of Knowledge / 2						
	4 English for Academic Purposes / 2		Entrepreneurship / 2					
	5 Basic Social Science / 2							
Skill and Expertise 33/86	1 Calculus / 2	Statistics / 3						
	2 Environmental Science / 2	Environmental Geology / 2	Environmental and Resources Analysis / 3	Land Use and Development / 3	Urban Management / 2			
	3	Human Geography / 2	Urban Sociology / 2		Participatory Development Planning / 3		Research Methods / 3	
	4 Introduction to Geography / 2	Survey and Mapping / 2	Presentation Techniques for Planning / 3					
	5	Introduction to Economics / 2	Urban and Regional Economics / 3	Location and Spatial Pattern Analysis / 3	Development Budgeting / 2	Project Management / 2		
	6	Urban and Regional Infrastructures 1/2	Urban and Regional Infrastructures 2/2	Transportation Planning / 2	Housing and Human Settlements Theory / 3	Planning Theory / 3		
	7 Introduction to Urban and Regional Planning / 3	Introduction to Planning Techniques / 3	Survey Methods and Planning Information System / 3	Analytical Methods in Planning / 3	Site Planning / 3	Urban Design / 3	Housing Design and Technology / 2	
	8			Urban Planning / 3	Regional Planning / 3	Housing and Human Settlements Methods and Techniques / 3		
Working Expertise 5/22	1			Planning Process Studio / 4	Urban Planning Studio / 4	Regional Planning Studio / 4	Housing and Human Settlements Studio / 4	Final Project / 6
Working Ethics 4/10	1		Professional Ethics / 2			Internship / 3		
	2						Seminar / 3	
	3						Field Course / 2	
Social Life Skills 2/4	1			Planning Law and Administration / 2		Housing and Human Settlements Institution and Policy / 2		
Elective 3/6	1						Elective / 2	Elective / 2
	2						Community Service Program / 2	

4. Proposed collaboration schemes and funding

To initiate collaboration between Urban and Regional Planning Program, Faculty of Built Environment, University Technology Malaysia and Urban and Regional Planning Program, Faculty of Engineering, Universitas Sebelas Maret (UNS), we propose several possible programs for collaboration. Among others, the two study programs may start with inviting guest lecture between programs. Afterwards, we can develop further our collaboration by initiating joint seminar/conference/workshop, joint research and publications, lecturer exchange, and students exchange. It is also expected that we may initiate twinning program and dual/double degree in the coming years.

Regarding joint research and publication, currently there is one possible research funding hosted by UNS. The funding is from Directorate General of Higher Education of Indonesia (DIKTI) for International Collaboration Research. This funding is quite competitive and prestigious. Our bachelor program has quite wide variety of research interests that may open for interesting theme for joint publication.

Table 1. Lecturer and Research Interests

No	Name	Research Interests
1	Ir. WinnyAstuti, MSc., PhD	Sustainable Housing and human settlements development, community-based housing development, creative industrial-based kampung tourism planning
2	Paramita Rahayu ST., MT., MSc., PhD	Governance, small cities, urbanization, inter-local government cooperation, regional planning
3	Dr. Nur Miladan, ST., MT	Resilience, coastal and environment management, urban planning and management
4	Ir. Kusumastuti MT	Community planning, urban heritage, Community Development
5	Ir. RizonPamardhiUtomo, MURP	Urban design; heritage and tourism planning
6	Erma Fitria R, ST., MT	Sustainable development, climate change
7	Rufia. Andisetyana Putri ST., MT	Child friendly city, Sustainable Development, Neiborhood Unit planning; housing and settlements planning
8	Ir. GalingYudana, MT	Urban Transportation management, infrastructure development
9	Ir. Soedwihajono, MT	Urban management; Regional Planning; sustainable city
10	MurtantiJaniRahayu, ST., MT	Urban Informal Sector, Community participation
11	Istijabatul Aliyah, ST., MT	Traditional Market Development
12	Isti Andini, ST., MT	Community Development, collaborative planning, planning politics
13	Ratri Werdiningtyas, ST., MT	Urban and Regional Planning

Considering the strength and opportunitis in the Universiti Teknologi Malaysia and Universitas Sebelas Maret , Indonesia, the following are potential Aspects for Collaboration can be offered by both universities:

1. Student exchanges : where a number of students of both universities mutually undertake a visit for each certain period for various academic purposes;
2. Lecturer excahnges : where a number of lecturers of both universities mutually visit for a certain period for various academic purposes

3. Joint seminar/ conference / workshop : both universities can arrange a collaborative works to organize an international seminar/ conference / workshop with participants from both universities and other universities world wide;
4. Joint publication: the lecturer and the researchers of both university can arrange a books, Research Books, Book Chapters and other academic and general publication media;
5. Joint Research : the researchers of both university can arrange a collaborative works in undertaking works in Malaysia, Indonesia and other countries by funding from internatinal donors , or government, or private sector funding in both countries, which will be fruitful for the wellbeing of both nations;
6. Joint thesis supervision : Professors/ lecturers from both universities can jointly supervise the thesis of both graduate students i.e. masters and doctoral thesis. This collaboration can be extended for the externa, examination of the doctoral thesis
7. Twinning program : reecognition of a number of credits for students from both universities by UTM and UNS. Both universities offer a twinning program that allows student to complete a number of credits in the host universities. For example, UTM students can complete a number of credits in UNS and vice versa. Students have flexibility to choose the subject they need or like most in a host university
8. Dual degree: UTM may offer one semester or moer to UNS undergraduate students with the same credit load towards the completion of the degree. The degree will be awarded by both universities.

Surakarta, 28 September 2016

Chairman of Study Program of
Urban and Regional Planning



Ir. Soedwihajono, MT

