



enhance

ENabling Humanitarian Attributes for Nurturing Community-based Engineering

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Universities Brawijaya is one of seven universities from 3 Asian partner countries of a project Co funded by the Erasmus+ program of the European Union called enabling humanitarian attributes for nurturing community based engineering. Led by University of Warwick, UK, the enhanced team, in UB consists of three faculty of Engineering's lecturers and two lecturers from agriculture engineering faculty. The team in the Faculty of Engineering consists of Miss Christia Mediana who is also the chief of the Master Program, Mister Surjono and Mr Adipandang Yudono.

Hello everyone, my name is Irnia Nurika as the coordinator of enhance partner from the University of Brawijaya Indonesia. At the moment I'm as the associate professor at Agro Industrial Technology Department. My research and teaching area are relates to the development of renewable energy, and environmental waste management. The involvement of UB in Enhance Project will give the opportunity for UB to get some possible benefit. To develop curriculum of humanitarian engineering to improve teaching quality process, including the assessment and evaluation of the students. As well as obtain graduate of humanitarian engineering program need by stakeholder. The enhance project will also give the opportunity for Research Group in UB to get involved in research related to humanitarian engineering.

Hello everyone, my name is Erryana Martati from Indonesia. I'm a lecturer at Universitas Brawijaya at Faculty of Agricultural Technology. It is a great opportunity for me to join in Enhance Project. The challenge in teaching in science in Universitas Brawijaya is because the class is a big size class and can be 2until four parallel of classes. Therefore it is challenging to engage with all students to encourage students to participate actively in the class and also to working either individually or in a groups. The most impactful experience so far while working on the Enhance project is that I can learn from other University partners from many countries of how their system teaching and learning process The enhance project changed the way my teaching involving students to be more active and to give them more problem based learning and study case.



The main activity of enhance project in UB is to enhance the curriculum development of the urban and Regional Master program to adequately address humanitarian issues in the 21st century. The dean of the faculty of engineering consists of Miss Christia Meidiana, who is also the chief of the Masters Programme. Mr Surjono and Mr. Adipandang Yudono

Hi my name is doctor Christia Meidiana. I'm from Indonesia, I work in Brawijaya University. I'm an associate professor in Department of Urban and Regional Planning, Faculty of Engineering. My expertise is in environmental technology. In this 4.0 industrial era. I think the most crucial challenges facing by many people is the climate change influencing many sectors. All nations in the world are vulnerable toward the climate change. Developing countries will be affected worse since they are not well equipped for mitigation and adaption. Therefore it is a challenge for me to contribute. Actually responding to climate change by delivering their lectures to the students about the cause and effect of the climate change and how we responded, I hope it can contribute the attitude and behavior change of my students to do things that can reduce the cause of global warming. My involvement in enhanced project has broadened my mind about the climate action in other countries of the project partner. It was exciting when I have opportunity to visit partners countries to experience how the local people implement local wisdom to live within healthy environment.

Mr Surjono is an associate professor in urban and regional planning Department, Faculty of Engineering Universitas Brawijaya his research is in planning of poverty reduction, urban planning and design and development planning. His role in the project is to synchronize the new curriculum development with the standards at the University and national level. Several courses that he teach match with core issues of humanitarian engineering such as poverty and social resilience, resilient cities, an urban management. The scope and perspective proposed by the enhance project has inspired him to write reference book that is one sustainable Earth, two habitat, three City and Community Resilience, livable city and resilient community, all in Indonesian language. He hopes that humanitarian engineering can contribute to the development of better world.

Mr Adipandang Yudono is from Indonesia, he works in Brawijaya University. He is an assistant professor in Department of Urban and Regional Planning, Faculty of Engineering. My research interest is in graphical information system or GIS smart cities, special policy and special data sciences. In terms of challenge of his role in University with humanitarian engineering is teaching the mindset of student that focus on technical things of GIS and urban informatics to broaden up the way they're thinking to think the relevance up their technical matters to social and economic impacts in urban and regional planning, the most impactful experience so far. While working the Enhance project is cooperation and sharing with international universities networking. Therefore this case may open new perspective in terms of conventional engineering teaching tradition that transform the current and future way. Due to Enhance Project his teaching method has been involved in humanitarian context to solve urban and regional issues.