



Dewi DIMYATI

Home Country: Indonesia

Degree: PhD in Water Resources Engineering

Expertise: Hydroinformatics, Water Resources, Climate Change

Research Focus: Decision Support System for Water Management

Host University: Kyoto University, Japan

Fellowship Awarded: 2015

Dewi Dimiyati was born and raised in Pontianak, capital of the West Kalimantan province on the Indonesian island of Borneo. Located on the equator, this city is widely known as Kota Khatulistiwa (Equator City).

In 2003, Dewi obtained a BSc in Biology from the Institut Teknologi Bandung (ITB), Bandung, Indonesia, where she developed an interest in water quality and in particular the areas of bioremediation, biotechnology and ecology. Since 2006 she has worked as a Lecturer in the Marine and Fishery Department of the Pontianak State of Polytechnic (Polnep), a public university in her home city. With support from a Graduate Scholarship from the Indonesian Ministry of Education, in 2013 she gained an MSc in Hydrosience and Engineering from TU Dresden, Germany, where she focused on climate change, disaster management and integrated water resources management (IWRM).

The PhD research is investigating water resources and climate change in the lower of Kapuas River area of Borneo. She is using IWRM, a process that promotes the coordinated development and management of water, land and related resources in order to maximize economic and social welfare without compromising the sustainability of vital ecosystems. Combined with a decision support system (DSS) with consideration hydrology, institutional, economic and social aspects, Dewi hopes her approach will reconcile the conflicting demands of stakeholders, economics and the environment in the development and management of water resources. She expects that her research will not only provide benefits for people in Indonesia but also across the world.

On completion of her PhD studies, Dewi intends to return to teaching at Polnep. She plans to further develop her DSS to improve decision making in water resources management in the Kapuas River basin. She hopes her research will also provide an effective tool to assist scientists, policy makers and various stakeholders in water planning in other river basins.