

Implementing Vocational Education Programme for Water Construction workers (project in Indonesia)

Content

The Indonesian water management sector is rapidly growing and has a high demand for skilled water construction workers. Indonesia, however, has a lack of skilled water construction workers as no education and training at secondary vocational level is available in this field. Although water construction knowledge at higher education and academic level is available in Indonesia, this knowledge is focused on engineering and design, not on operational knowledge and skills. Consequently, water construction projects in Indonesia have to work with skilled workers from abroad, for example Malaysia, or work with unskilled workers.

Proposal

World Water Academy, Vapro, BAM Decorient Indonesia and Indonesian partners have initiated a project to develop and test a vocational education programme for all-round water construction workers at secondary vocational school level and employees. Target group for the Water Construction program are:

1. graduates from SMK's (future water construction workers);
2. workers already employed in the water construction sector.

Realization

World Water Academy is focus on the second target group. After the training needs assessment in 2011, it was decided to focus on employees of local and regional governmental institutes on 'urban dredging & logistics. Finally a training about inland dredging & logistics in urban areas for workers at local governments has been designed and developed. Meanwhile local professionals have been trained to deliver the trainings (Training of Trainers program).

The training of trainers program has been delivered to 22 workers of local/regional governmental institutes, dealing with the maintenance of water systems. The delivery of the trainings was in Semarang and some workers from Surabaya were invited as well. The training was part of the initiative of the Semarang Municipality to create the first water board in Indonesia, called SIMA with help of the Dutch water board Hoogheemraadschap Schieland en Krimpenerwaard (HHSK). In the training some advanced dredging equipment has been showed to get a better understanding for the participants.

This part of project has been finished in 2013. Discussions with HHSK and Semarang Municipality for follow-up are still on-going.

Location:

Jakarta, Surabaya and Nusa Penida (Bali)

Period:

2011-2013

Partners:

Indonesia Facility (NL – financier)

Overall program:
Vapro International (NL), PT. BAM Decorient Indonesia (NL), Water authority Institut Teknologi Sepuluh Nopember (ITS) Surabaya (ID), SMKN 1 Jakarta (ID), SMKN 7 Surabaya (ID) and SMKN 1 Nusa Penida (ID)

Training of Trainers program:
Hoogheemraadschap Schieland en Krimpenerwaard (NL), SIMA water board (ID), Pemerintah Kota Semarang (ID), Dinas PSDA Semarang (ID), Pemerintah Kota Surabaya (ID), PU Brantas Surabaya (ID).

For more information, please visit our website:

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