

## Empowerment of women in integrated watershed management for urban water health security (presented at 1st International Joint Conference Indonesia-Malaysia-Thailand-Philippines Drugstech 2016)

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### Abstrak

<i>Watershed conservation in urban areas is very important to support the achievement of public health with maintenance of clean water and sanitation. Environmental degradation in the watershed have caused floods in urban areas. Post-flood cause disease because of dirty environment. Water pollution in the river due to rubbish and industrial waste, also causes skin disease when water is used for bathing and stomach illness when water is used for cooking and drinking. Women have a role as agents of change and establish networking in the community in conserving the watershed. Water health security is part of environmental health being essential elements for the achievement of sustainable development. The quality of water and sanitation in the region of the watershed can be achieved by maintaining biodiversity, waste management to maintain the cleanliness of rivers and forest conservation.

The focus of the study on the role of women citizens, with the contribution of social engineering study as an alternative to the policy makers for watershed management in urban areas in order to achieve environmental health. The study was conducted with a mix method, a combination of qualitative and qualitative approach. Data collection techniques using literature study, in-depth interviews, observation, and survey. Selection of study subjects with purposive technique. The location study is Jakarta and Tasikmalaya as a representation of an urban area that has a specific hydrological conditions and require an integrated watershed management. The results show that women can be role models and have leadership in watershed management. Women's participation in forming a network in the community, has motivated other citizens to care for the environment and participate in watershed management to realization of environmental health.</i>