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1 **Rainwater harvesting as an alternative water resource in Malaysia: potential, policies**
2 **and development**

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14 **ABSTRACT**

15 Some regions in Malaysia is facing water scarcity problem nowadays despite Malaysia has
16 high quantity of water resources. The increasing water demand has triggered the initiatives to
17 look for alternative water supply. Rainwater harvesting was proposed by the government as
18 part of the solutions to mitigate water scarcity problem. Literatures associated with rainwater
19 harvesting were obtained from various sources. These literatures were reviewed and have
20 been instrumental to analyze the potential, policies and development of rainwater harvesting
21 in Malaysia. This article discusses the potential of rainwater harvesting in Malaysia under the
22 dynamic climate as a case study. The challenges of rainwater harvesting development in
23 terms of environment, policy, economy, social and technical are pointed with the way
24 forward for rainwater harvesting. It is anticipated that rainwater harvesting is going to play
25 the role as an alternative water resource in the country. In order to promote rainwater

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