

## Dr Nuri Trianti

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Dr Nuri Trianti currently works as a researcher at the Research Center for Nuclear Reactor Technology, Research Organization for Nuclear Energy, National Research and Innovation Agency (BRIN) of the Republic of Indonesia. Prior to joining BRIN, she did a postdoctoral fellowship at the Nuclear Safety Research Center, Japan Atomic Energy Agency (JAEA). She has expertise in designing a new generation of nuclear reactors with thorium-based fuel. The reactors designed include a modular boiling water reactor and a high-temperature gas-cooled reactor (HTGR) or pebble bed reactor. In reactor safety, she has expertise in thermal-hydraulic analysis of designed reactors to evaluate the level of safety. She also has expertise in simulating hydrogen flame propagation from deflagration-to-detonation incidents in reactor severe accidents.

She is currently focusing on studies on the design of a low-power modular pebble bed reactor / HTGR which will be implemented as the first nuclear power reactor in Indonesia.