

Decommissioning Of Indonesia's Triga Mark II Reactor: Safety and Waste Management

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The construction of nuclear reactors in Indonesia is moving towards a new phase marked by the decommissioning of nuclear reactors in Indonesia, namely *Triga Mark II* with the concept of waste and safety development. Indonesia has three reactors, all of which are research reactors for research. The *Triga Mark II* reactor began operation in 1965 in Bandung, West Java. Decommissioning of course concerns the age and consideration of the assessment of the safety factors of reactors that are more than 50 years old. The decommissioning of *Triga Mark II* confirms that Indonesia is focusing on its nuclear power management. Careful planning and increased cooperation among authority holders will be carried out. In the past decade, Indonesia's nuclear landscape has undergone significant changes with the organization of comprehensive risk and safety assessments ('government regulation'). The successful decommissioning of the *Triga Mark II* reactor plays an important role in determining the sustainability and safety guarantees and protection of Indonesia's nuclear power utilization as well as the challenges of building the first power plant reactor.