



Dynamic Population of *Macaca fascicularis* due to Construction of Dam from 2010-2015

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Abstract: Jatibarang Dam construction started in 2010 to prevent flooding in central Java, Indonesia. The associated land clearing had significantly affected the ecosystem and degraded the habitat of 248 *Macaca fascicularis* (Mf). Number of individual and the change of troops data were obtained through seven until ten days-long follows/year and then analyzed using google earth software. The location of sleeping and food areas were recorded by GPS and mapped. *Macaca fascicularis* have lost more than 80% of their habitat including feeding area. Number of individual in 2010 were 201 in 2 troops. In 2015, the troops increased to four. Daily range of groups varied and density of *Macaca fascicularis* was 41.69 individuals ha⁻¹. Conservation activities are listed for consideration in the paper as well.

Key Words: Dam, Habitat loss, *Macaca fascicularis*, Population
