

## **Developing Local Wisdom to Integrate Ethnobiology and Biodiversity Conservation in Mount Ungaran, Central Java Indonesia**

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**Abstract :** Mount Ungaran is one area that has remaining natural forest in Central Java, Indonesia. Mount Ungaran consists of several habitats that supporting appropriate areas for flora, fauna, and microorganisms biodiversity, particularly of it is protected by government law and IUCN red list data. Therefore, Mount Ungaran also settled up as AZE (Alliance for Zero Extinction) and IBA (Important Bird Area). The land use for agriculture and plantation reduces forest covered areas. It is serious threat to the existence of biodiversity in Moun Ungaran. This research has been identified community local wisdom that possible to be integrated as ethno-biological research and biodiversity conservation. The result showed at least four local wisdom that possible to be integrated to ethno-biological and biodiversity conservation were Wit Weh Woh (a ceremony of life-giving tree), Grebeg Alas Susuk Wangan (a ceremony for forest protection), Iriban (a ceremony of clean water resource protection), and tingkep tandur (a ceremony for ready-harvested plant protection). It is needed ethno-biological researches of local wisdom-contained values, which essential to be developed as a strategy for biodiversity conservation in Mount Ungaran.

**Keywords :** Mount Ungaran, local wisdom, biodiversity, fragmentation

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