**Biodiversity Assessment of Herpetofauna in Nakhon Ratchasima Zoo**

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**Abstract**

It should be noted that prior the Nakhon Ratchasima Zoo opened its gate to the public for the first time on December 14, 1996, the present-day location was undergone regenerating the forest that have been depleted due to agricultural expansion, covering the vast area of approximately 500,000 m 2. Thus, restoring the suitable habitats for the lost herpetofauna. This study aimed to assess the herpetofauna biodiversity of Nakhon Ratchasima Zoo and its distribution within the area after reforestation by comparing between the recovering forest and the services areas in order to understand the importance of reforestation program. Field surveys were conducted twice during January 2019 and May 2019 along the nature trail and the water resources located inside the zoo. A total number of 18 reptile species, representing 5 families and a total number of 13 amphibian species, representing 5 families were recorded. Further investigation will be conducted for longer term studies to explore the effectiveness of reforestation.