**The study on the ecology, population and distribution of Boehme’s butterfly Lizard**

**(Leiolepis boehmei) in Songkhla province: a model for conservation**

Sirilak Suwansil, Suwanna Deramaehayee, Surasak Yimprasert

Songkhla Zoo

sirilak\_s09@outlook.com

**Abstract**

The study on the ecology, population and distribution of Boehme’s butterfly Lizard (Leiolepis boehmei) in Songkhla province: a model for conservation was conducted during December 2015 to June 2017. The findings reveal that Leiolepis boehmei is the high risk animal for extinction because of a limited habitat area. The distribution of them was just only

found along Songkhla coasts. The environmental habitat conditions are in an airy landform with fine sandy loam, it was the compacted sand but difficult to break down, located in high ground to avoid flooding and sunny areas. Around its habitat area was found 20 species of plant such as spinifex littoreus, gold beard grass, Indian almond, she oak, screw pine etc. Nowadays, Leiolepis boehmei was invaded from human, natural disaster, preyed on other animals and was hunted by people in the local area for consumption, these reasons cause of decreased the Leiolepis boehmei population. From the study is not found ectoparasite and endoparasite in its blood, it’s a parthenogenesis and asexual animal. And the study of Leiolepis boehmei breeding in the large glass tank that control the moisture of the sand was better than feed them in the large wooden box because the behavior to lay eggs was found just only in the large glass tank.

**Keywords**: ecology, Boehme’s butterfly Lizard, conservation, parthenogenesis, asexual

animal