

**In Captive Breeding Management of Black Monitor
(*Varanus komaini*, Nutphan) at Nakhon Ratchasima Zoo**

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Abstract

This study was to monitor breeding reproductive behavior for the captive management of the rare black monitors (*Scientific name*) in Nakornrachsima zoo during the October 2004 to September 2007. Two pairs of black monitors were used in this study. The result showed mating behaviors in this species occurred during the months of April to July. Mating behavior was observed in the water. Egg laying period was found during the months of July to December indicating that they are seasonal breeders. This study showed that the black monitors mate and lay eggs successfully in captive conditions. However, egg incubation was not successful, further study on reproductive physiology and environmental conditions should be conducted to improve reproductive efficiency in this species.
