



Morphological and morphometric study on the early developmental stages of the Egyptian toad *Bufo regularis* Reuss

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Abstract:

Aims: This study aimed to examine the developmental changes in external morphology characters for some embryonic larval period of *Bufo regularis* from River Nile, Assuit, Egypt. **Methods:** Our experiment started when tadpoles began to feed. The adapted embryos were divided into three large tanks, each with 200 embryos. Collecting of samples started from feeding age every three days until end of metamorphosis (the absorption of tail). External measurements of the early developmental stages including body height (BH), body width (BW), eye diameter (ED), forelimb length (FLL), head-body length (H-BL), hind limb length (HLL), internarial distance (IND), interorbital distance (IOD), nostril diameter (ND), distance between narial and orbital (NOD), tail length (TAL), tail height (TH), total length (TL), tail muscle height (TMH) and body weight (BWE) were recorded. **Results:** The morphological description reported for each stage indicated many differences between the different developmental stages. **Conclusion:** This study may be considered as morphological key for the different developmental stages of the Egyptian toad tadpoles (*Bufo regularis*).

Keywords:

Bufo regularis, Egyptian toad, Morphology, Tadpoles

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