



## Expression of RNA encode FAMEt in mandibular organ of mud crabs *Scylla olivacea*

Akbar Marzuki Tahya<sup>1\*</sup>, Muhammad Zairin Junior<sup>1</sup>, Arief Boediono<sup>2</sup>  
I Made Artika<sup>3</sup>, and Muhammad Agus Suprayudi<sup>1</sup>.

<sup>1</sup>Department of Aquaculture, Bogor Agricultural University, Indonesia

<sup>2</sup>Department of Anatomy, Physiology, Pharmacology, Bogor Agricultural University, Indonesia

<sup>3</sup>Department of Biochemistry, Bogor Agricultural University, Indonesia

**Abstract:** Farnesoate Acid Methyl Transferase (FAMEt) play important roles in converting farnesoate acid to methyl farnesoate (MF). The aim of the present study was to investigate expression and concentration of RNA encode FAMEt in intermolt and premolt stages. The experiment used mud crabs *Scylla olivacea*'s mandibular organ. Expression of RNA encode FAMEt showed difference of each stage. When compared with intermolt stage, the premolt stage indicated higher of RNA expression. RNA visualization showed amplicon length 450 bp. Likewise, the measuring of concentration of RNA encode FAMEt indicated exhalation starting at intermolt to premolt stage.

**Keywords.** Crabs; Expression of RNA; FAMEt; Intermolt; Premolt.

Akbar Marzuki Tahya *et al* / International Journal of PharmTech Research, 2016,9(3),pp 219-223.

\*\*\*\*\*