

Performa Pertumbuhan dan Ekspresi Gen Hormon Pertumbuhan Sidat (*Anguilla bicolor bicolor*) Stadia Elver Yang diberi Pakan Mengandung Kromium Pikolinat

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Abstract	The administration of chromium picolinate (Cr-Pic) is expected to positively influence the growth of eel (<i>Anguilla bicolor</i>) and the expression of the growth related gene. The purpose of this research was to study the effect of chromium picolinate (Cr-Pic) on the growth performance and expression of growth hormone encoding gene of eel (<i>Anguilla bicolor</i>), a species of fish that is in the process of domestication. The experiment consisted of four treatments: without Cr-Pic (P0), with Cr-Pic of 1 mg / kg of feed (P1), 2 mg / kg of feed (P2), and 3 mg / kg of feed (P3). Eel growth performance was analyzed based on absolute and daily growth rates. Observation of the level of growth hormone (GH) gene expression was performed using real-time RT-PCR method. The results showed that administration of Cr-Pic did not significantly increase eel growth rate. The expression level of growth hormone genes in eel fed 2 and 3 mg Cr-Pic / kg was higher than the expression level of this gene in eel fed without Cr-Pic. The results showed that the level of growth hormone expression did not appear to be related to growth rate of the eel.Ã,Ã
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Author	Dr.rer.nat. HAMDAN SYAKURI, S.Pi, M.Si