

LYSINE REQUIREMENT IN THE DIET OF GLASS EELS, *ANGUILLA BICOLOR*, AGAINST GENE EXPRESSION ASSOCIATED WITH GROWTH HORMONE

Publons ID	(not set)
Wos ID	WOS:001115017600027
Doi	
Title	LYSINE REQUIREMENT IN THE DIET OF GLASS EELS, <i>ANGUILLA BICOLOR</i> , AGAINST GENE EXPRESSION ASSOCIATED WITH GROWTH HORMONE
First Author	
Last Author	
Authors	Prayogo, NA; Prayitno, SB; Winanto, T; Harisam, T; Fitriadi, R; Kusuma, B; Sukardi, P;
Publish Date	2023
Journal Name	IRAQI JOURNAL OF AGRICULTURAL SCIENCES
Citation	
Abstract	Traditional eel farmers face the problem of poor quality and high price of commercial glass eel diet, this feed has produced poor fish performance, as well. The lack of essential amino acids may be the cause. Molecular methods are used to determine the rapid response of glass eels to a formulated diet. The purpose of this study was to determine how the effect of adding lysine to commercial feed affects the expression of genes related to growth hormone GH. Pasta feed was given to glass eels (1600 heads) which were cultured for 60 days. The cylindrical plastic ponds were framed with steel and covered with HDPE plastic (300 μ m) in size {(3.14cm) x (85cmx85cm) x (60cm)} filled with water 907,460 L approximate to 0.91 m ³ . Real time RT-PCR results in GH suggest that the level of lysine (2%) added to the diet has strong effect on GH gene expression during eight weeks cultivation.
Publish Type	Journal
Publish Year	2023
Page Begin	1125
Page End	1130
Issn	0075-0530
Eissn	2410-0862
Url	https://www.webofscience.com/wos/woscc/full-record/WOS:001115017600027
Author	REN FITRIADI, S.S.T, M.P