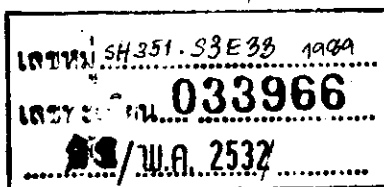


EFFECTS OF THIAMINE, PYRIDOXINE, PANTOTHENIC ACID, AND RIBOFLAVIN
ON GROWTH PERFORMANCE, FEED EFFICIENCY, AND BODY COMPOSITION OF
SEABASS, *Lates calcarifer* (Bloch)



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Effects of Thiamine,Pyridoxine,Pantothenic acid,and Riboflavin on
Growth Performance,Feed Efficiency,and Body Composition of
seabass,Lates calcarifer(Bloch)

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ABSTRACT

Seabass (Lates calcarifer) of initial average weight 0.45-0.47 gm. were experimentally reared in 200 l.glass aquaria fitted with a closed recirculating system. The experiment comprised 6 treatments with 3 replications each.Six diet formulae were used;1) minced fish;2) minced fish supplemented with complete vitamins and minerals;3),4),5) and 6) same as that of formula 2 but deficient in thiamine,pyridoxine, pantothenic acid and riboflavin,respectively. After rearing for 6 weeks ,results appeared the fish in treatment 1 (minced fish alone) had developed the deficiency symptoms,and revealed the lowest value of growth.A study of recovery proved that fish fed basal diet incorporated with complete vitamin showed better growth and other parameters i.e. feeding rate,FCR and body composition than the other group (as given minced fish alone).Fish in treatment 2-6 gave an insignificant different on average body weight among them,but showed some anomaly after rearing for 8 weeks i.e.fish in treatments 3 (thiamine deficiency) and 5 (pantothenic acid deficiency).

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