

3937693 ENAT/M : MAJOR : APPROPRIATE TECHNOLOGY FOR RESOURCE
DEVELOPMENT ; M.Sc. (APPROPRIATE TECHNOLOGY FOR
RESOURCE DEVELOPMENT)

KEY WORDS : DRIED HOUSE FLY LARVA FROM PIG MANURE / FISH
MEAL / BROILER

PAISARN SASANGTA : A USE OF DRIED HOUSE FLY LARVA FROM PIG
MANURE IN SUBSTITUTION OF FISH MEAL FOR FIRST STAGE BROILER. THESIS
ADVISORS : SUCHART NAWAGAWONG, M.Sc. , CHARLIE NAVANUGRAHA, Ph.D.,
NUKUI SAENGPHAN, M.Sc. , RAYWADEE ROACHANAKANAN, M.Sc., DIRAKRIT
BOHUWECH, M.Sc. 91 p.ISBN 974-664-026-7

This study was concerned with the use of dried house fly larva as a substitution for fish meal in the feeding of first stage broilers. (1-21 days of age). Four hundred broilers at one day of age were raised in a farm house at Suphanburi College of Agriculture and Technology, floor cornered with rice husk. A randomized complete block design with 4 replications of 20 broilers and the dried house fly larva from pig manure was fed in five different levels. These levels were 0, 25, 50, 75 and 100 percent over a 21 day period.

The results indicated that protein and energy in dried house fly larva were 46.82 percent and 5,933.49 cal/gm. respectively. Weight of broilers at the end of one week showed no statistical difference ($P>0.05$) At the end of two and three weeks , the weight of broilers showed a significant difference ($P<0.01$). A substitute dried house fly larva in level of 100 and 75 percent produced significantly higher weight than in level of 25 and 0 percent respectively at the end of two weeks ($P>0.05$), while at the end of three weeks a substitute dried house fly larva in level of 100 percent produced significantly higher weight than the other levels ($P < 0.05$) . Using 100 percent dried house fly larva as a substitute for fish meal showed the best growth at the lowest cost : Therefore it is quite possible to use dried house fly larva from pig manure which is suitable for feeding first stage broilers at the lowest cost.