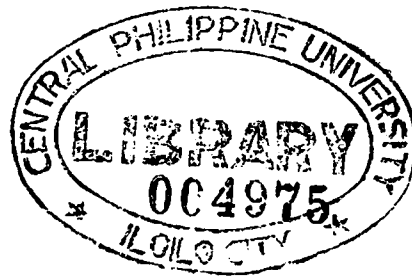


**THE USE OF INDIGENOUS MICROORGANISMS (IMO), FERMENTED  
PLANT JUICE (FPJ), FISH AMINO ACID (FAA), ORIENTAL HERBAL  
NUTRIENT (OHN) AND LACTIC ACID SERUM (LAS)  
ON RICE BRAN BASED BROILER DIETS**

**A RESEARCH REPORT**

**Submitted to**

**THE UNIVERSITY RESEARCH CENTER  
CENTRAL PHILIPPINE UNIVERSITY**



**By**

**RICARDO CORNEL SUMPAY JR.  
COLLEGE OF AGRICULTURE  
May 2003**

## **ABSTRACT**

### **THE USE OF INDIGENOUS MICROORGANISMS (IMO), FERMENTED PLANT JUICE (FPJ), FISH AMINO ACID (FAA), ORIENTAL HERBAL NUTRIENT (OHN) AND LACTIC ACID SERUM (LAS) ON RICE BRAN-BASED BROILER DIETS**

**by**

**RICARDO C. SUMPAY JR.**

The study was conducted from December 20, 2002 to January 21, 2003 at Jamandre Poultry Farm, Bongco, Pototan, Iloilo to evaluate the feeding value of indigenous microorganisms (IMO), fermented fruit juice (FPJ), fish amino acid (FAA), oriental herbal nutrient (OHN), lactic acid serum (LAS) and their combined mixture on the growing, finishing, carcass quality and economic returns of arbor acre broilers on rice bran-based diets. One hundred sixty-eight chicks were divided equally and assigned randomly into seven treatments with three replications. The treatments were broiler diet A with commercial feed ration (0 percent concoction level) and diets B, C, D, E, F, and G with 1 percent level of IMO, FPJ, FAA, OHN, LAS and their combined mixture on rice bran-based broiler ration, respectively.

The result of the study showed that broilers fed with commercial feed without concoction consumed more feeds and were relatively higher in liveweight gain, carcass recovered and returned over feed, chicks and medicine cost as compared with those fed with IMO, FPJ, OHN, combined mixture, FAA, and LAS. It was only among broilers

fed with oriental herbal oriental where the performance of broilers fed with the commercial ration was significantly ( $P < 0.01$ ) comparable in the amount of feed consumed and liveweight gained.

It was also observed that even if it is expensive to feed broilers on a purely commercial ration without concoction, a higher return over feed, medicine and chick cost was noted, as compared with those birds fed with IMO, FPJ, OHN, combined mixture, FAA, and LAS by P12.25, P14.22, P14.41, P15.87, P18.53, and P24.59 per bird on rice bran-based broiler ration, respectively.