

## Pengaruh penggunaan campuran ampas sagu dan ekskreta ayam fermentasi dalam ransum terhadap penampilan, kualitas karkas dan daging ayam broiler

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### Abstrak

This research was conducted to study the effect of the mixtures of sago waste and chicken excreta fermented utilization in rations on broiler performance, carcass physical quality as well as the meat chemical quality. The mixture of sago waste and chicken excreta was fermented in 48 hours using effective microorganism-4. The research was biological experiment using the respective fermented materials in broiler rations with level of 0% (R0), 4% (R1), 8% (R2) and 12% (R3). Each dietary treatment had five replications of five broiler chickens each. Variables was observed were broiler performance (feed consumption, body weight gain and feed conversion), carcass physical quality (live weight, carcass percentage, abdominal fat percentage) and chemical quality of meat (water contents, fat and protein). Data were analysed using Analysis of Variance of one way Completely Randomized Design, and differences between means were tested using Duncan Multiple Range Test. The results indicated that the use of fermented mixtures up to 8% in broiler rations had increased body weight, live weight and carcass percentage, and fat flesh content and it was better than birds receiving control ration. The use of 12% fermented materials in the ration had no significant effect on feed consumption, abdominal fat percentage, as well as water contents and protein of the flesh.