

THE EFFECT VARIOUS FORMULA COMPLETE FEED TOWARD DENSITY, FAT AND MILK DRY MATTER ON DAIRY CATTLE

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ABSTRACT

The aim of the research investigated the best effect of complete feed with additive toward density, fat and milk dry matter on dairy cattle. The research was conducted on 21 female Friesian Holstein dairy cattle with average weight 400 kg, while 4th month to 5th month of lactation period and average milk production 10 litres daily. The substances which were use are complete feed with formula F1, F2, F3, F4, F5, F6 and F7. This research used the Completely Randomized Design with seven ratios and three replications with Anava analysis. Difference on ratio can be test by Duncan's multiple range test with SPSS 13 (*Statistical Program for Science* 13) from windows. The result show significant difference of density and milk dry matter. Formula complete feed F3 has a high density and milk dry matter level and F5 has a low density and milk dry matter. The result of the research showed that many kinds of complete feed did not show significance differences of milk fat. All Formula of complete feed could increase milk fat rate toward dairy cattle.

Key words : complete feed, milk density, milk fat, milk dry matter, dairy cattle.