ABSTRACT
The aims of research to determine the effect of Spirulina supplementation and fermented bran of *Aspergillus terreus* on the digestibility of crude protein and crude fiber of laying hens. Twenty four chicken Isa Brown strain aged 15 weeks were divided into eight treatment groups (n=3), sequentially P0, P1, P2, P3, P4, P5, P6, and P7. Treatment of P0, P1, P2, P3 is the fermented rice bran without the granting of *Spirulina* 0%, 0.5%, 1%, 1.5% and P4, P5, P6, P7 is a fermented rice bran to the granting of *Spirulina* 0%, 0.5%, 1%, 1.5% respectively. The research was done within four months. Fecal samples were collected to determine the digestibility of crude protein and crude fiber. The results showed that the crude protein digestibility using the basal diet supplemented fermented rice bran of *Aspergillus terreus* were significantly different (p<0.01) than basal feed. Supplementation of fermented bran of *Aspergillus terreus* in a very different diet showed significantly (P<0.01) increase the digestibility of crude fiber between each treatment.