

ABSTRAK

Ikan lele merupakan ikan budidaya air tawar yang diminati masyarakat Indonesia. Tujuan dari penelitian ini untuk mengetahui kondisi hematologis dan pertumbuhan berat mutlak dari ikan lele yang diberi Pakan Komersial (PK) berbentuk tepung dengan penambahan Konsentrat Protein Ikan (KPI) Sapu-sapu. Metode dalam penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 3 ulangan, yaitu A (100%PK), B (90%PK+10%KPI), C (80%PK+20%KPI) dan D (70%PK+30%KPI). Pemeliharaan dilaksanakan selama 35 hari dan uji hematologis dilakukan pada hari ke-36. Data utama berupa kondisi hematologis dan pertumbuhan berat mutlak yang diperoleh dianalisis dengan menggunakan SPSS. Hasil penelitian menunjukkan kadar hemoglobin yang berkisar antara 6,47-7,96 g/dL dan nilai hematokrit berkisar antara 19,40-23,87%, tidak berbeda nyata antar perlakuan dengan nilai $P > 0,05$. Terdapat perbedaan nyata pada kadar glukosa darah ($P < 0,05$) yang berkisar antara 20,11-44,22 mg/dL. Perbedaan nyata juga terjadi pada pertumbuhan berat mutlak di semua perlakuan (kisaran 0,01-6,71 g; $P < 0,05$). Kualitas air yang diamati meliputi suhu 23-28,5°C dan pH 6,8-9. Namun, pemberian Pakan Komersial dan Konsentrat Protein Ikan Sapu-sapu kurang mendukung kondisi hematologis dan pertumbuhan berat mutlak ikan jika pemberian dan pengaplikasian nya tidak sesuai dengan preferensi makan ikan tersebut.

Kata kunci: *Konsentrat Protein Ikan; Ikan sapu-sapu; Kondisi hematologis; Pertumbuhan berat mutlak*



ABSTRACT

Catfish is a freshwater aquaculture fish that is favored by the Indonesian people. The purpose of this study was to determine the hematological condition and absolute weight growth of catfish fed with floured commercial feed (PK) added with Fish Protein Concentrate (KPI) of Plecos fish. The method in this study used a completely randomized design (CRD) with 4 treatments and 3 replicates, namely A (100%PK), B (90%PK+10%KPI), C (80%PK+20%KPI) and D (70%PK+30%KPI). Maintenance was carried out for 35 days and hematological tests were carried out on the 36th day. The main hematological conditions and absolute weight growth data were analyzed using SPSS. The results showed that hemoglobin levels ranging from 6.47-7.96 g/dL and hematocrit values ranging from 19.40-23.87%, were not significantly different between treatments with $P>0.05$. There was a significant difference in blood glucose levels ($P<0.05$) which ranged from 20.11-44.22 mg/dL. Significant differences also occurred in absolute weight growth in all treatments (range 0.01-6.71 g; $P<0.05$). Observation of water quality showed that temperature ranging 23-28.5°C and pH 6.8-9. However, the feeding of commercial feed and fish protein concentrate may not support the hematological condition and absolute weight growth of the fish if the feeding and application are not in accordance with the feeding preference of the fish.

Key words: Fish Protein Concentrate (FPC); Plecos (*Hypostomus* sp.); Fish Hematology Conditions; Absolute weight gain

