**RESULTS**

**Effect of Kaempferol on the Activities of Liver Enzymes in two weeks old Broilers Challenged with *Eimeria tenella***

Figure 1 shows the effect of kaempferol on the activities of liver enzymes in two weeks old broilers challenged with *Eimeria tenella.* There were significant (P < 0.05) increases in mean AST, ALT and ALP values in the infected untreated broilers (group VI) when compared with the infected broilers and treated with different doses of kaempferol (group II, III and IV) and those that were treated with Amprolium (group V). But no significant (P>0.005) difference in the mean values of AST, ALT and ALP was observed in broilers treated with 2 mg of kaempferol and those that were treated with amprolium.

**Figure 1:** Effect of kaempferol on the activities of liver enzymes (ALT, AST, ALP) in two week old broilers experimentally infected with *E tenella.*

**Key:** NC=Neutral control, KF=Kaempferol, AMP= Amprolium and NS=Normal Saline

P≤0.05 considered significant.

**Effects of Treatments with Kaempferol on Antioxidant Enzymes**

Figure 2 shows the effect of treatment with kaempferol on antioxidant enzymes in two weeks old broilers challenged with *Eimeria tenella.* Antioxidant enzymes increased significantly (P < 0.05) in a dose dependent manner in group II, II and IV when compared with the infected untreated group (VI).

**Figure 2:** Effect of treatment of kaempferol on antioxidant enzymes (SOD, CAT and GPx) of two week old broilers experimentally infected with *E. tenella*.