**6. CONCLUSION & RECOMMENDATION**

This study reports that brucellosis is prevalent in cross-bred dairy cows at Chittagong. The hematological parameters of *Brucella* spp. antibody positive and negative cows were overlooked. This study will address the variations of blood parameters of brucellosis infected cross-bred dairy cows which will assist in hematological diagnosis of bovine brucellosis. Besides this, the results showed that *Brucella* organisms are not responsible for a considerable alteration in the hematological values. Further studies will be required including chemical, hormonal and molecular changes in the serum or tissue or cellular level.