**ACKNOWLEDGEMENTS**

The author is ever grateful and indebted to the Almighty GOD, the creator and soul authority of universe, who enabled me to complete this work successfully.

The author expresses his deepest sense of gratitude, sincere appreciation and profound regards to the learned supervisor,Prof. Dr. Goutam Buddha Das, honorable vice chancellor, Chittagong Veterinary and Animal Sciences University for his scholastics guidance, sympathetic supervision, valuable advice, constant inspiration, radical investigation and constructive criticism in all phases of this study.

The author gives a special thanks toDr. Md. Hasanuzzaman, Head, Dept. of Animal Science and Animal Nutrition for giving me a chance to work at the laboratory.

I express my sincere gratitude to DR. Mukti Barua , lecturer, Dept. of Animal Science and Animal Nutrition who helped me to write this report.

Last but not the least, sincere thanks to all teaching and technical staffmembers and all my friends and well wishers for their help, encouragement and inspiration during the study period and preparing this report.

Author

December, 2015