

**Crude fiber.** Result showed there were no significant different of crude fiber digestibility between R0, R1, and R2 diets, but between R2 and R3 was significantly decreased. In this study, gedi leaves in diets improved the metabolizable energy utilization in birds fed the 5% inclusion and improved crude protein and crude fiber utilization in birds fed 10% level inclusion diet. Gedi leaves was rich in sticky mucilage, a soluble-polysaccharide, so that affected to rate of passage of feed. The result of present study are in contrast with the finding of Durrani (2008) who observed the digestibility of crude fiber and dry matter in the birds fed diet supplemented with neem leaves. Also, Biu *et al* (2009) reported that supplementation of ginger and kalongi improved the crude fiber digestibility in broiler fed supplemented diets.

### CONCLUSION

From the results of this study, it can be concluded that gedi leaves meal can be fed to broiler diets at up to 10%, and results suggested that adding gedi leaves to broiler diets may benefit in processing the mucilage.

### REFERENCES

- Association of Official Analytical Chemists (A. O. A. C). 1990. Official Methods of Analysis, 15th Ed. Published by the A.O.A.C., Washington, D.C.
- W. A. K. Ghareeb, and J. Bohm. 2011. Evaluation of the chicory inulin efficacy on ameliorating the intestinal morphology and modulating the intestinal electrophysiological properties in broiler chickens. *J. Anim. Physiol. Anim. Nutr.* 95: 65-72.
- S. D. Yusuf, and J. S. Rabo. 2009. Studies on the effect of aqueous leaf extract of neem (*Azadirachta Indica A. Juss*) on hematological parameters in chicken. *J. Afri. Sci.*, 10: 189-192.
- N. A., and D. J. Fletouris. 200. *Drug Residues in Foods. Pharmacology, Food Safety and Analysis.* New York, Marcel Dekker, Inc. pp. 541-548.
- D. Banerjee., D. Chakraborty., M.C. Pakhira., B. Shrivastava., and R.C. Kuhad. 2012. Guggulin: Role in Animal System. *Vet. World*, Vol. 5(4): 248-254.
- C.B., and J. Wojcik. 1982. Interaction of dietary protein with cellulose in the adaptation of calorie dilution by weanling rats. *J. Nutr.* 112: 21-28
- F. R., N. Chand, M. Jan, A. Sultan, Z. Durrani, and S. Akhtar. 2008. Immunomodulatory and growth promoting effect of neem leaves infusion in broiler chicks. *Sarhad J. Agri.* 24: 655-659.
- J. C. Xue., J.A. Duan., D. Qian., Y. Tang., and Y. You. 2011. Anticonvulsant, antidepressant-like activity of *Abelmoschus manihot* ethanol extract and its potential active components *in vivo*. *Phytomedicine: International J. of Phytotherapy & Phytopharmacology.* Doi: 10.1016/j.phymed. 2011. 06. 012.
- Y.H., M. Yanagisawa., T. Enomae., and A. Isogai. 2005. Analyses of mucilages compounds used in making traditional handmade paper. *Japan TAPPI J.* 59 (7):121-130.
- K. A., A. Mahmoud Faten, and S. Abd. Elhalim Haiam. 2005. Comparison of the efficacies of commercial probiotics on growth performance, carcass characteristics and some plasma constituents of broiler chicks. *Suez Canal Vet. Med. J.* 8: 1-18.
- P. S., and S. B. Bari. 20101. Anti-inflammatory Activity of *Abelmoschus manihot* Extracts. *Int. J. of Pharm.* 6(4): 505-509.
- P. S., and S. B. Bari. 20102. Evaluation of wound healing effect of petroleum ether and