Chapter-VIII

Appendix

Table 1: Cost of production and profit of broiler chicken fed herbal diet

Items/parameters	Dietary treatments			
	T_1	T_2	T_3	T_4
Live weight (kg/b) on the last day of trial (33th day)	1.77	1.83	1.79	1.81
Livability (%) at the end of trial	86	100	89	93
No. of birds' survivability / treat.	23	28	22	27
Feed intake (kg/b) on 33thday	2.172	2.299	2.172	2.235
Feed cost (Tk/kg) on an average	63.6	63.6	63.6	63.6
Total Feed intake (kg)	49.956 kg (23 birds @2.172kg)	64.372 kg (28 birds @2.299 kg)	47.784 kg (22 birds@2.172 kg)	60.345kg (27 bird @ 2.235 kg)
Total Feed cost (Tk)	49.956 ×63.6=3177.20Tk @ 63.6Tk	64.372 ×63.6=4094.06 Tk @ 63.6 Tk	47.784 ×63.6=3039.06Tk @ 63.6 Tk	60.345 × 63.6= 3837.94Tk @ 63.6 Tk
Total live weight (kg) of birds per treatment	23 ×1.77=40.71 kg	28 × 1.83 =51.24 kg	22 ×1.79=39.38 kg	27 ×1.81=48.87 kg
A). Feed cost (Tk/kg live weight)	3177.20/40.71= 78.04	4094.06/51.24= 79.90	3039.06/39.38= 77.17	3837.94/48.87= 78.53
Day-old chick cost (Tk/bird)	36.0	36.0	36.0	36.0
B). Day-old chick cost (Tk/kg live bird)	36/1.77= 20.34	36/1.83= 19.67	36/1.79= 20.11	36/1.81=19.88
Other costs include:				
i) Vaccination cost (Tk)	400	400	400	400
ii) Medication cost(Tk)	170	170	170	170
iii) Disinfectant cost (Tk)	80	80	80	80
iv) Bulb & wire cost(Tk)	150	150	150	150
v) Water & Electricity cost(Tk)	100	100	100	100
vi) Transport cost(Tk)	400	400	400	400
vii) Cost of product supplementation(Tk)	0.0	2.5	3.0	3.5
Total other cost (Tk) [i…..vii]	1300	1302.5	1303	1303.5
Other costs (Tk/kg live wt)	1300/40.71= 31.93	1302.5/51.24= 25.42	1303/39.38= 33.09	1303.5/48.87= 26.67
C). Other cost (Tk/kg live weight)	31.93	25.42	33.09	26.67
D).Total production cost (Tk / kg live wt.) [A+B+C]	130.31	125.00	130.11	125.08
E). Selling live bird market price (Tk /kg live bird)	140.00	140.00	140.00	140.00
Profit (Tk/kg live bird) [E-D]	9.69	15.00	9.90	14.92

Table 2: Feed intake of Broilers

Treat	FI d4-11(g/b)	FI d4-18(g/b)	FI d4-25(g/b)	FI d4-32(g/b)
T1	194	626.2857	1368	2385.714286
T1	171	589.7143	1236.047619	2070.714286
T1	174	568.2857	1180.285714	2062.285714
T1	175	576.8571	1257.142857	2167.142857
T2	170	573.1429	1322.857143	2327.714286
T2	194	637.1429	1380.857143	2362.285714
T2	180	586	1301.714286	2233.714286
T2	178	607.4286	1352.857143	2271.714286
T3	186	600.2857	1338.857143	2179.857143
T3	166	552.2857	1213.714286	2102.571429
T3	167	557.1429	1235.97619	2109.77619
T3	170	586.5714	1335.714286	2295.380952
T4	177	612.2857	1354.571429	2336
T4	166	564.8571	1206.571429	2094.857143
T4	173	603.7143	1316.857143	2258
T4	172	577.4286	1245.095238	2249.761905

Table 3: Water intake of Broilers

Treatment	WI(ml/b) d4-10	WI(ml/b) d11-17	WI(ml/b) d18-24	WI(ml/b) d24-31
T1	616.643	1099.429	1815.407	3016.522
T2	572.071	1082.357	1778.429	2514.143
T3	572.286	1098.714	1760.148	3105.364
T4	575.714	1075.143	1687.333	2581.111

Table 4: Feed conversion ratio (FCR) of Broilers

Treatment	FCR-d11	FCR-d18	FCR-d25	FCR-d32
T1	1.23589	1.31377095	1.44545667	1.51201737
T1	1.2200315	1.35718781	1.54952314	1.66450229
T1	1.2155039	1.34594094	1.67005629	1.68094907
T1	1.2670957	1.36018509	1.55540212	1.69637224
T2	1.2379421	1.34964357	1.50674038	1.57686793
T2	1.2270115	1.24477979	1.51995245	1.6019984
T2	1.2818471	1.36390679	1.49160656	1.63706882
T2	1.1796009	1.26339135	1.4673547	1.60344553
T3	1.2515152	1.37610945	1.53068662	1.69148802
T3	1.2131902	1.31912826	1.56523617	1.67786899
T3	1.2658333	1.36316358	1.7781475	1.61303549
T3	1.2251392	1.36506941	1.48243533	1.58412128
T4	1.2298762	1.22085211	1.47947108	1.52848783
T4	1.2019078	1.31935683	1.55062175	1.74337577
T4	1.2195313	1.2085476	1.48507905	1.61078905
T4	1.2294304	1.36321142	1.57723577	1.62795126

Table 5: Livability (%) of Broilers

Treat	1st wk	2nd wk	3rd wk	4th wk
T1	100	100	100	86.71
T1	100	100	85.71	86.71
T1	100	100	100	86.71
T1	100	100	85.71	86.71
T2	100	100	100	100
T2	100	100	100	100
T2	100	100	100	100
T2	100	100	100	100
T3	100	100	85.71	85.71
T3	100	100	85.71	85.71
T3	100	100	85.71	71.43
T3	100	100	100	71.43
T4	100	100	85.71	85.71
T4	100	100	100	85.71
T4	100	100	100	100
T4	100	100	100	100

Table 6: Meat yield traits of Broilers

Treat.	Dress%	Brst%	Drum%	Thigh%	Shank%	Wing%	Back%	Head%	Neck%
T1	62.53575	20.019066	8.770257	8.865586	4.242135	6.387035	12.29743	2.764538	6.387035
T1	62.74864	23.960217	8.137432	8.047016	4.068716	5.786618	11.39241	2.260398	5.786618
T2	64.35955	24.359551	9.707865	9.348315	4.314607	5.752809	11.41573	3.146067	5.752809
T2	63.38475	24.77314	8.575318	9.346642	4.219601	6.442831	12.25045	2.359347	6.442831
T3	58.98367	21.869328	8.62069	8.348457	3.901996	5.626134	10.43557	2.450091	5.626134
T3	62.53746	23.376623	8.991009	9.340659	4.095904	6.193806	10.18981	2.297702	6.193806
T4	61.51762	23.215899	8.852755	9.033424	4.065041	5.96206	11.11111	2.529359	5.96206
T4	61.13886	23.276723	8.791209	8.491508	4.195804	5.794206	10.38961	2.697303	5.794206

Brief Bio-data of the Author

Md. Nahid Imtiaz Chowdhury, was born on October 28, 1996, in the Gaibandha district of Bangladesh. He is the son of Md. Zahedul Mowla Chowdhury and Mst. Nasrin Motahara Banu. In 2011, he earned his Secondary School Certificate (SSC) from Osmanpur High School in Ghoraghat, Dinajpur. In 2013, he got his Higher Secondary School Certificate (HSC) from Cantonment Public School and College in Parbatipur, Dinajpur. He recieved his Doctor of Veterinary Medicine (DVM) degree from Chattogram Veterinary and Animal Sciences University (CVASU) in Bangladesh in 2019 (held in 2020) with a CGPA of 3.58. (out of 4.00). Now, he is a candidate of Master of Science in Poultry Science at the Department of Dairy and Poultry Science, CVASU. The author got a scholarship from NST for his MS research. He wants to work in the field of Poultry Science immensely.