Table 1. Effect of acetic acid treated diets on live body weight gain, daily feed intake and mortality rate of growing rabbit.

Treatments	Live body weight (gm)			Daily feed intake (gm)			Mortality (%)
	2 weeks	4 weeks	6 weeks	2 weeks	4 weeks	6 weeks	
Control (0%)	893.13 ± 55.27	1255.63 ± 137.10	1676.25 ± 132.27	56.44 ± 2.81	77.70 ± 2.76	117.37 ± 2.84	33^{a}
0.5 %	903.75 ± 59.08	1278.13 ± 109.92	1564.38 ± 109.92	63.42 ± 2.26	84.02 ± 1.96	112.49 ± 5.07	33^{a}
1.0 %	929.38 ± 43.44	1285.62 ± 74.23	1348.71 ± 136.24	60.75 ± 3.75	82.19 ± 2.88	114.63 ± 3.96	22^{b}
1.5 %	913.25 ± 55.60	1259.75 ± 96.55	1496.88 ± 116.82	62.53 ± 4.47	78.83 ± 3.59	110.51 ± 2.04	11^{c}
Significant	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	*****

NS = insignificant and * = P< 0.05.

Means bearing different letters in the same column within each factor: differ significantly (P<0.05).

Table 2. Effect of acetic acid treated diets on some blood hematology of growing rabbits.

Treatments	WBCs ($x10^3/mm^3$)	Lymphcytes (%)	Heterocytes (%)	RBCs ($x10^6/mm^3$)	Hb (%)	PCV (%)
Control (0%)	4.98±0.56	32.43^{c}±6.41	3.40^{c}±0.09	5.72^{a}±0.19	12.73^{a}±0.06	42.43^{a}±0.51
0.5 %	4.45±0.45	43.93^{b}±1.38	3.75^{c}±0.19	5.81^{a}±0.08	12.15^{a}±0.28	42.97^{a}±0.47
1.0 %	4.90±0.35	53.91^{b}±2.15	6.15^{b}±0.12	5.62^{a}±0.21	12.11^{a}±0.48	40.53^{b}±0.82
1.5 %	5.78±0.43	65.43^{a}±1.17	8.45^{a}±0.91	4.58^{b}±0.32	10.93^{b}±0.37	38.70^{c}±0.44
Significant	NS	**	**	**	**	**

Means bearing different letters in the same column within each factor differ significantly (P<0.01).
NS = Insignificant , **= P<0.01.
Hb = hemoglobin PCV= Package cell volume

Table 3: Effect of acetic acid treated diets on some blood constituents of growing rabbits.

Treatments	Total Protein g/ dl	Albumen g/ dl	Globulin g/ dl	Total Lipid Mg/ dl	Tri-glycred Mg/ dl	Cholesterol Mg/ dl	AST u/ l	ALT u/ l	Uric Acid Mg/dl
Control (0%)	8.94 ± 0.33	3.71 ± 0.15	5.23 ± 0.23	227.50^{b} ± 3.58	100.66^{c} ±2.56	102.25^{bc} ± 1.78	31.67^{b} ± 1.20	24.66^{b} ± 1.31	2.07^{a} ± 0.11
0.5 %	9.06 ± 0.19	3.77 ± 0.14	5.29 ± 0.21	253.67^{a} ± 4.78	99.82^{c} ± 1.11	98.11^{c} ± 4.18	26.50^{b} ± 1.38	23.56^{b} ± 1.20	1.35^{b} ± 0.19
1.0 %	9.20 ± 0.16	3.37 ± 0.13	5.83 ± 0.11	261.33^{a} ± 5.03	113.17^{b} ± 1.03	107.83^{b} ± 2.98	29.83^{b} ± 1.89	29.51^{a} ± 0.98	1.31^{b} ± 0.06
1.5 %	9.82 ± 0.29	3.96 ± 0.08	5.86 ± 0.20	257.66^{a} ± 5.81	133.33^{a} ± 2.21	127.83^{a} ± 2.22	37.51^{a} ± 2.36	32.17^{a} ± 1.22	0.82^{c} ± 0.04
Significant	**NS**	**NS**	**NS**	******	******	******	*****	******	*****

Means bearing different letters in the same column within each factor differ significantly (P<0.05) and (P<0.01).
NS = Insignificant, * = P< 0.05 , **= P<0.01.

Table 4. Effect of acetic acid treated diets on enzymes, colon bacteria number and intestine pH values of growing rabbits.

Treatments	Enzymes			Bacteria		pH	
	Amylase u/l	**Lipase u/l**	**Protease u/l**	**E.coli CFU/gm**	**Salmonella CFU/gm**	**Cecum pH**	**ileum pH**
Control (0%)	0.96^{c} ± 0.065	0.044^{c} ± 0.003	0.030^{c} ± 0.002	0.87a± 0.28	0.27^{a} ± 0.35	6.23 ± 0.05	7.41± 0.18
0.5 %	1.00^{bc} ± 0.053	0.063^{b} ± 0.002	0.035^{c} ± 0.005	0.51ab ± 0.12	0.18^{ab} ± 0.21	6.11 ± 0.12	7.36± 0.11
1.0 %	1.15^{ab} ± 0.072	0.076^{ab} ± 0.005	0.049^{b} ± 0.003	0.43b ± 0.11	0.19^{ab} ± 028	6.08 ± 0.03	7.31 ± 0.09
1.5 %	1.26^{a} ± 0.094	0.084^{a} ± 0.006	0.063^{a} ± 0.004	0.22b ± 0.04	0.16^{b} ± 0.32	6.15± 0.06	7.23± 0.21
Significant	**	**	**	*	*	NS	NS

NS = Insignificant, * = P< 0.05, **= P<0.01.

Means bearing different letters in the same column within each factor differ significantly (P<0.05) and (P<0.01).

CFU/ gm = Colony For Unit / gram