

Table 3 Growth performance and nutrient utilization of Nile tilapia fed phytase diet

	Treatment 1	Treatment 2	Treatment 3	Treatment 4	Treatment 5	Treatment 6
Initial mean weight	6.19±0.02 <sup>a</sup>	6.23±0.04 <sup>a</sup>	6.18±0.01 <sup>a</sup>	6.25±0.04 <sup>a</sup>	6.27±0.01 <sup>a</sup>	6.23±0.04 <sup>a</sup>
Final mean weight	9.11±0.01 <sup>a</sup>	9.22±0.02 <sup>b</sup>	9.53±0.00 <sup>c</sup>	9.26±0.02 <sup>b</sup>	11.59±0.06 <sup>e</sup>	9.87±0.20 <sup>d</sup>
Mean weight gain	2.92±0.01 <sup>a</sup>	2.99±0.08 <sup>b</sup>	3.35±0.06 <sup>c</sup>	3.01±0.01 <sup>b</sup>	5.32±0.67 <sup>e</sup>	3.64±0.24 <sup>d</sup>
Weight gain (%)	47.05±2.04 <sup>a</sup>	48.0±1.00 <sup>b</sup>	54.15±0.45 <sup>d</sup>	48.25±0.75 <sup>c</sup>	84.95±10.95 <sup>f</sup>	58.45±1.25 <sup>e</sup>
Specific growth rate	0.27±0.01 <sup>a</sup>	0.27±0.04 <sup>a</sup>	0.30±0.03 <sup>a</sup>	0.27±0.03 <sup>a</sup>	0.42±0.04 <sup>b</sup>	0.33±0.01 <sup>a</sup>
Feed conversion ratio	1.60±0.09 <sup>b</sup>	1.56±0.03 <sup>b</sup>	1.40±0.19 <sup>b</sup>	1.56±0.01 <sup>b</sup>	0.89±0.01 <sup>a</sup>	1.28±0.09 <sup>ab</sup>
Protein efficiency ratio	0.09±0.00 <sup>a</sup>	0.10±0.01 <sup>a</sup>	0.11±0.00 <sup>a</sup>	0.10±0.01 <sup>a</sup>	0.17±0.02 <sup>b</sup>	0.12±0.01 <sup>a</sup>
Protein productive value	24.51±0.01 <sup>f</sup>	7.99±0.01 <sup>a</sup>	23.70±0.00 <sup>e</sup>	19.37±0.01 <sup>c</sup>	15.81±0.03 <sup>b</sup>	21.22±0.01 <sup>d</sup>
Nitrogen metabolism	264.59±0.02 <sup>a</sup>	267.18±0.03 <sup>b</sup>	271.68±0.02 <sup>d</sup>	268.22±0.00 <sup>c</sup>	308.86±0.01 <sup>f</sup>	278.43±0.06 <sup>e</sup>
Gross feed conversion efficiency	62.50±0.01 <sup>a</sup>	64.10±0.01 <sup>b</sup>	71.43±0.02 <sup>c</sup>	64.10±0.02 <sup>b</sup>	112.36±0.00 <sup>e</sup>	78.13±0.03 <sup>d</sup>
Apparent net protein utilization	24.52±0.00 <sup>e</sup>	8.27±0.01 <sup>a</sup>	23.99±0.02 <sup>d</sup>	19.65±0.03 <sup>b</sup>	25.65±0.01 <sup>f</sup>	21.51±0.00 <sup>c</sup>

Note: Mean followed by the same letter are not significantly different ( $p > 0.05$ )