Table 3 . Growth performance and Production parameters of Nile Tilapia (*O. niloticus)*, Common carp (*C.carpio*) and African catfish (*C. gariepinus*) for over a 150-day growth period under varying conditions. (Mean±SE).

Treatments	Init.Ww. (g)	Final Ww. (g)	Init.length (cm)	Final length (cm)	Net Ww. Gain (g/fish)	D. W.G. (g/day)	SGR (%)	Cond. Fact.(K)	Market Prod.(Kg/pond)	T.prod. Kg/pond
Control :										
Mix. sex *Tilapia*	19.8 ± 0.69[a]	82.1±28.51[d]	10.8 ± 0.74[a]	16.3 ± 19.33d	62.3 ±7.22d	0.42d	1.19	1.1	32.8d	120.7[d]
Common carp	20.4 ± 0.66[a]	362.2±19.27[d]	11.5 ± 0.57[a]	20.4 ±15.42d	341.8±15.24d	2.28d	1.40	1.8	72.4d	
Catfish	27.6 ± 0.08[a]	155.3±16.84[d]	12.3 ± 0.11[a]	24.1 ± 16.53d	127.7±23.17c	0.85c	1.17	1.2	15.5c	
T1 :										
Male *Tilapia*	21.8 ± 0.57[a]	205.7±15.35[a]	11.9 ± 0.65[a]	28.8 ± 11.17a	183.9 ±10.92a	1.30a	1.78	1.8	82.3a	348.5[a]
Common carp	21.3 ± 0.44[a]	1173.6±27.11[a]	10.6 ± 0.83[a]	39.8 ±14.44a	1152.3 ±24.55a	7.69a	1.95	2.9	234.7a	
Catfish	27.6 ± 0.08[a]	315.3±16.84[b]	12.3 ± 0.12[a]	27.1 ± 16.53b	287.7±30.17b	1.92b	1.27	1.6	31.5b	
T2 :										
Mix.sex *Tilapia*	20.2 ± 0.69[a]	132.6±11.76[c]	10.9 ± 0.75[a]	19.1 ± 16.41c	112.4±11.10c	0.75c	1.27	1.4	53.0c	208.8[c]
Common carp	21.4 ± 0.56[a]	779.0±17.22[c]	11.6 ± 0.88[a]	27.2 ± 18.60c	757.6 ±16.25c	5.05c	1.23	2.1	155.8c	
T3 :										
Mix.sex *Tilapia*	20.9 ± 0.59[a]	177.4±16.56[b]	10.7 ± 0.24[a]	22.6 ± 23.66b	156.5 ±18.16b	1.04b	1.49	1.6	71.0b	301.1[b]
Common carp	20.7 ± 0.39[a]	942.8±17.22[b]	11.2 ± 0.49[a]	33.4 ±17.02b	922.1±12.28[b]	6.15b	1.91	2.4	188.6b	
Catfish	26.9 ± 0.11[a]	415.3±21.74[a]	11.6 ± 0.04[a]	33.5 ± 15.23a	388.5±33.62[a]	2.59a	1.49	1.9	41.5a	

Means in the same column having the same letters were not significantly different (P≤0.05).

Table 4. Mean water quality parameters measured in various treatment ponds (Mean± SE).

Parameters	Control	T1	T2	T3
Water temp.(^{0}C)	28.1±0.11^a	28.2±0.14^a	28.9±0.91^a	28.4±0.67^a
DO (mg/l)	6.5±0.46^a	7.2±0.25^a	6.8±0.95^a	6.7±0.15^a
pH	7.8±0.67^a	8.1±1.72^a	8.2±0.98^a	8.5±1.58^a
NO_2 (mg N/l)	0.04±0.72^c	0.07±0.38^a	0.05±0.46^b	0.09±0.75^a
NO_3 (mg N/l)	0.15±1.33^b	0.17±1.41^a	0.18±1.16^a	0.19±1.46^a
NH_4 (mgN/l)	0.19±0.12^c	0.22±0.26^b	0.23±0.66^b	0.39±0.49^a
Total alkalinity (mg$CaCo_3$/l)	108±7.51^c	244±4.19^b	237±5.15^c	262±6.99^a
Chlorophyll a (µg/l)	23.7±7.29^c	52.3±2.72^a	33.3±4.59^b	41.3±5.38^b
Phyt. stand. crops (No.x10^7org./m^3)	129±359^c	471±367^a	403±366^b	338±213^{ab}
Zoopl. Stand. crops (No.x10^5org./m^3)	49±47^c	172±68^a	115±21^{ab}	149±33^b
Net productivity (mg O_2/m^2/h)	0.05±1.21^c	0.14±2.65^a	0.12±1.43^b	0.11±0.97^b
Gross productivity (mg O_2/m^2/h)	0.104±0.56^c	0.403±0.98^{ab}	0.315±0.86^b	0.463±0.35^a

Means in the same column having the same letter were not significantly different (P≤0.05).