

Table 3 Mean variation of water quality parameters of River Benue around the Wurukum Abattoir

Water Quality Variables	Stations				P-Value
	A	B	C	D	
Temperature (°C)	24.28 ±0.80	23.51 ±0.72	24.17 ±0.75	23.56 ±0.89	0.86 ^{ns}
pH	10.02 ±0.41	9.76 ±0.37	9.64 ±0.37	10.11 ±0.36	0.79 ^{ns}
EC (µs/cm)	43.40 ±4.67 ^d	496.50 ±6.38 ^a	479.10 ±6.59 ^b	64.30 ±4.51 ^c	0.00
TDS (Mg/l)	29.20 ±2.11 ^d	247.70 ±3.17 ^a	239.70 ±3.22 ^b	31.30 ±2.11 ^c	0.00
DO (Mg/l)	5.64 ±0.09 ^a	4.23 ±0.06 ^d	4.66 ±0.06 ^c	4.98 ±0.05 ^b	0.00
BOD (Mg/l)	0.63 ±0.04 ^b	0.91 ±0.08 ^a	0.68 ±0.06 ^b	0.66 ±0.05 ^b	0.01
Alkalinity (Mg/l)	59.10 ±1.16 ^b	189.40 ±1.40 ^a	189.50 ±1.40 ^a	60.30 ±1.09 ^c	0.00

Note: Means on the same row with different superscript are statistically significant (p<0.05), ns = not significant