

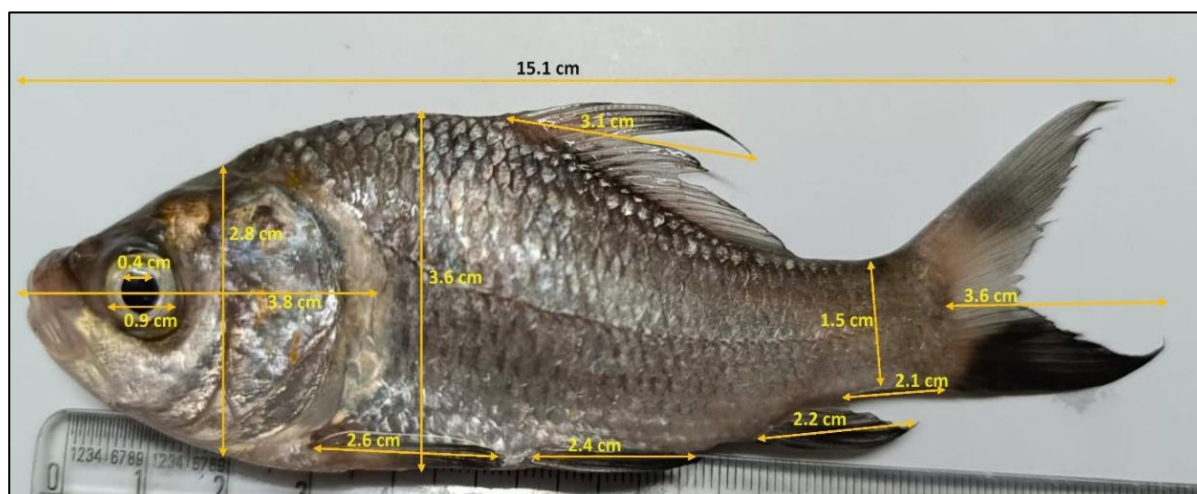


Figure 9 Morphometric measurements of *Catla catla* fed with Levamisole mixed feed after 30 days of treatment

3.2.2 Morphometric characterisation of *Aeromonas hydrophila* infected fish fed with different immunostimulants

The Table 4, depicts the initial and final measurements of morphometric parameters of *Aeromonas* infected fish fed with control and immunostimulant mixed feeds. The Table 5 illustrated the net gain of morphometric parameters of *Aeromonas* infected fish fed with control and immunostimulant mixed feeds. From these results, it was found that the morphometric parameters of infected fish including body length, body width, and weight were significantly varied with different immunostimulant feeds. While, there was no significant fluctuation observed in the metrics such as HL, HD, ED, PD, CPL, CPW, CFL, DFL, PcFL, PIFL, and AFL with the different immunostimulant diets.

Table 4 Morphometric characteristics of *Aeromonas hydrophila* infected fish fed with control and immunostimulant mixed feed

S. No.	Parameter	Type of Diet		Vitamin C		Vitamin E		Chitin		Chitosan		Levamisole	
		I	F	I	F	I	F	I	F	I	F	I	F
1	BL (cm)	16.2	17.5	20.2	22	20.3	22	16.3	17.8	10.4	11.9	13.5	15
2	BW (cm)	4.1	4.5	4.8	0.6	5.5	0.6	4.1	4.5	3.2	3.5	2.9	3.3
3	W (g)	157.8	173.4	137.3	153.2	186.3	162.3	148.3	168.7	141.3	164.1	164.5	138.5
4	HL (cm)	3.9	4.5	4.5	5	4.3	5	3.8	4.3	2.4	2.6	3.1	3.5
5	HD (cm)	3.8	4.3	3.6	4.1	3.6	4	3	3.4	1.4	1.6	2.1	2.5
6	ED (cm)	0.7	0.9	0.7	0.7	0.7	0.8	0.8	1	0.6	0.7	0.7	0.8
7	PD (cm)	0.4	0.5	0.3	0.35	0.3	0.4	0.4	0.5	0.3	0.4	0.3	0.4
8	CPL (cm)	1.7	2.2	2.1	2.6	2.1	2.5	1.7	2.3	1.6	2	1.2	1.5
9	CPW (cm)	1.9	2.1	1.8	2	1.7	2	1.5	1.9	1.1	1.4	1.1	1.4
10	CFL (cm)	3.8	4.1	4.3	4.9	4.7	5.3	3.5	4	2.1	2.5	3.1	3.5
11	DFL (cm)	3.5	3.9	3.9	4.5	4.1	4.5	4.9	5.4	1.7	2	2.7	3.2
12	PcFL (cm)	2.4	2.8	2.4	3.1	3.3	3.8	2.4	2.9	1.1	1.3	2	2.4
13	PIFL (cm)	2.5	2.9	2.9	3.4	2.9	3.5	2.3	2.7	1.7	2.2	1.8	2.3
14	AFL (cm)	2.5	2.7	2.7	2.8	3.1	3.6	1.6	2	1.5	1.8	1	1.2