

## ON *ORYZIAS JAVANICUS* COLLECTED FROM JAKARTA, SINGAPORE AND WEST KALIMANTAN

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A new family, *Oryziatidae*, established by Rosen (1964) for a single genus, *Oryzias*, includes 10 nominal species (cf. Yamamoto, 1975). According to Weber and Beaufort (1922), *Oryzias javanicus* inhabits Singapore, Java, Lombok and China. The habitat of this species has not been described in West Kalimantan. Therefore, the morphology of specimens collected from West Kalimantan, Singapore and Jakarta

was compared with that of *O. javanicus*, and it was ascertained that they are of the same species.

Ten proportional characters such as the length of dorsal, caudal, anal, ventral and pectoral fins of all specimens are summarized in Table 1. Sexual dimorphism as recognized by the shape of the body, fins, urinogenital papilla and other general features are illus-

Table 1. Proportional measurements and counts of specimens of *Oryzias* collected from Singapore, Jakarta and West Kalimantan.

Locality	<i>West Kalimantan</i>	<i>Jakarta</i>	<i>Singapore</i>
	mean±S.E. (range, mode)	mean±S.E. (range, mode)	mean±S.E. (range, mode)
Total length (mm)	25.6±0.7/17** (18.5-29.5)	24.2±2.0/8** (16.4-30.0)	31.1±0.3/12** (29.4-32.5)
Standard length (mm) (Length*)	21.0±0.5 (16.0-24.0)	19.2±1.5 (12.7-23.8)	24.7±0.2 (23.3-26.1)
Snout	6.6	6.9	6.7
Head	25.0	24.6	24.8
Tail***	57.2	57.3	57.0
Height	25.2	25.2	26.9
Longest caudal ray	25.5	25.3	25.0
Longest pectoral ray	23.0	23.7	25.7
Longest dorsal ray	16.5	20.3	18.5
Dorsal fin base	7.3	7.8	7.8
Anal fin base	32.3	32.9	32.9
Longest ventral ray (Number)	11.1	11.3	10.7
Longitudinal scales	29.6±0.1 (29-30, 30)	27.9±0.3 (27-28, 28)	29.6±0.2 (29-30, 30)
Pectoral fin rays	11.5±0.2 (11-13, 11)	10.9±0.3 (10-11, 11)	11.5±0.2 (11-12, 11-12)
Dorsal fin rays	7.2±0.1 (7-8, 7)	6.6±0.2 (6-7, 7)	6.9±0.1 (6-7, 7)
Caudal fin rays	20.4±0.2 (20-23, 20)	20.1±0.1 (20-21, 20)	19.8±0.1 (19-20, 20)
Anal fin rays	22.2±0.2 (21-24, 22)	20.9±0.9 (18-23, 20-22)	21.8±0.3 (20-24, 21)
Ventral fin rays	6.0±0.0 (6, 6)	6.0±0.0 (6, 6)	5.9±0.1 (5-6, 6)
Vertebrae	28.9±0.3 (28-29, 29)	28.4±0.5 (28-29, 28)	29.0±0.7 (28-30, 29)

\* Expressed as a percentage of the standard length.

\*\* Number of specimens examined.

\*\*\* Expressed as a percentage of the total length.

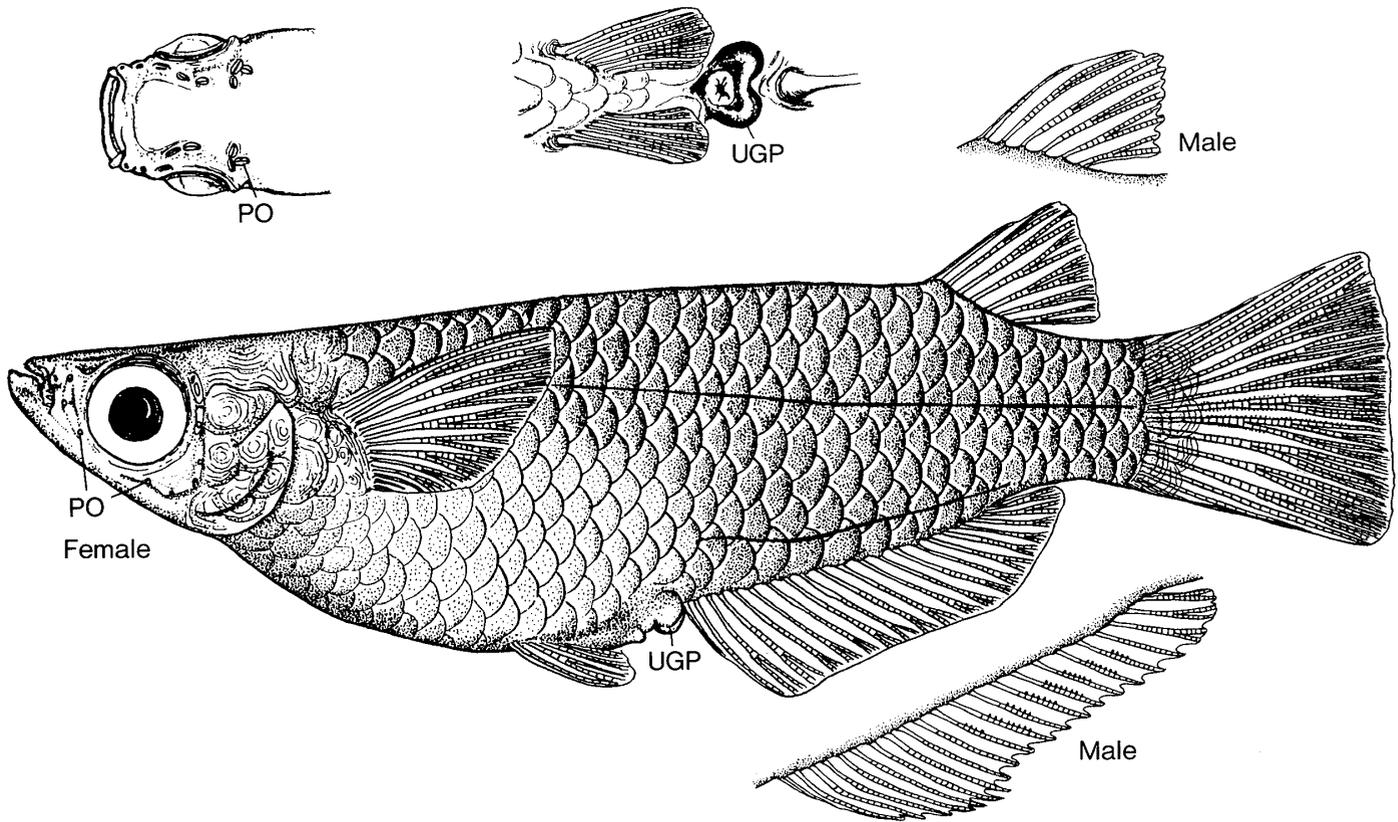


Fig. 1. Diagrammatic drawing of *Oryzias javanicus* showing pit organ (PO), urinogenital papilla (UGP) and sexual differences in fins. SN : snout.

trated in Fig. 1.

The results of these observations confirmed that *Oryzias* specimens collected from Jakarta, Singapore and West Kalimantan belonged to the same species as *O. javanicus*.

### References

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