PRESERVASI BEKU SPERMATOZOA IKAN CUPANG (Betta splendens) STRAIN HALF-MOON DALAM MADU DAN NACL FISIOLOGIS

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Abstract	A study entitled Ã¢Â€ÂœChilled Preservation of Spermatozoa Half-moon Strain Fighting Fish (Betta spendens) in Honey and Physiological NaClÃ¢Â€Â•, was conducted to determine preserved spermatozoa motility and viability of Fighting Fish in honey and NaCl solutions, under chilling temperature (-250C). The study applied Completely Randomized Design (CRD) to examine three treatments, i.e aquadest, 0.09% NaCl and honey extenders, with quantuplicates. Data, being spermatozoa motility (%) and viability (time in second), were F-tested (ANOVA) and followed by LSD test (P<0.01). After storage of 7 days, the result showed that spermatozoa motility did not differ between treatments, however the viability of spermatozoa were significantly different (P<0.01). The highest viability was observed in sperm stored in extender Honey averaging 368.90Ã‚Â±102.16 seconds, compared to the 0.09% NaCl extender (81.79Ã‚Â±8.54 seconds), and aquadest (187.90Ã‚Â±35.36 seconds). It was concluded that the Honey, NaCl 0.09% and aquadest as extenders could be used as preservation solution fighting fish spermatozoa. The best viability of spermatozoa was observed in honey extender.
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