

Parasitic and Fungal Identification Bamboo Lobster *Panulirus versicolour* and Ornate Lobster *P. ornatus* Cultures

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Abstract : Lobster cultures have failed because of mortalities associated with parasitic and fungal infections. Monitoring of spawned eggs and larva of bamboo lobsters, *Panulirus versicolour*, and ornate lobsters, *P. ornatus*, in a hatchery, was conducted in order to characterize fungal and parasitic diseases of eggs and larva. One species of protozoan parasite (*Vorticella* sp.) was identified from larvae while two species of fungi (*Lagenidium* sp. and *Haliphthoros* sp.) were found on eggs. Furthermore, adult lobsters cultured in floating net cage had burning-like diseases on their pleopod, uropod, and telson. Histopathological samples were collected for parasite and tissue changes. There were two parasites found to infect lobsters on external body and gill which are *Octolasmis* sp. and *Oodinium* sp. Histopathology showed tissue changes which are necrosis on hepatopancreas, necrosis in the gills and around the uropods and telson.

Keywords : fungal, histopathology, lobster, parasite, infection

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