SOME OBSERVATIONS ON THE IMPORTANCE OF Aponogeton rigidifolius IN ENDEMIC FISH BREEDING HABITATS

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Aponogeton rigidifolius is an endemic aquatic plant with thin long lagves extending to over 0.5m in length. This species is mainly found in sironms in the wet zone.

A total of 600 plants of A. rigidifolius was introduced to a site of 10 m² in the same stream devoid of vegetation. At the point of introduction two bindemic species, namely Belontia signata (size 1.5-6.0 cm, 14 ± 2.33 fish / mat) and Puntius titteya (size 1.5-3.0 cm, 6 ± 1.1 fish / net) were observed at the site of introduction. In addition, four indigenous fish species were also found at this site. Their numbers were less than 5 fish / net. When the leaves of A. rigidifolius reached a length of 30.4 ± 4.21 cm, 0.3 fish / net of R, vaterifloris were recorded at this site together with B. signata and P. Illloya.

After 5 months of introduction, the leaves of *A. rigidifolius* has grown log length of >50 cm and the populations of *R. vaterifloris* has increased to 1.66 individuals / net without a reduction in the population size of *B. algrata* and *P. titteya*.

This indicates that *R. vaterifloris* appears to select habitats with *A. rlgidifolius* for breeding. However, further studies are needed to understand the relationship between *A. rigidifolius* and *R. vaterifloris*.

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