

# Shizenature

Proprietary Fermentation Mixes of Natural Foods

## Executive Summary

20 January 2020

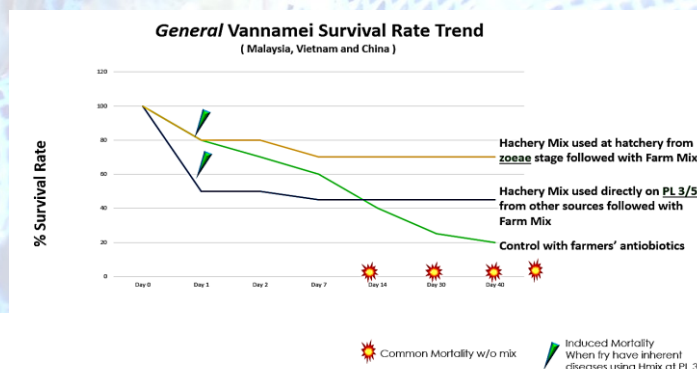
**Shizenature** Pte Ltd started out as a Molecular Biotechnology entity progressing now into proprietary epigenetic activated-fermentation. We focus on natural extracts using human food-grade ingredients. Our cumulative R&D spanned more than 20 years to date. We manufacture products (in a sterile-room setting) only in Singapore. Our forte is in our **proprietary enzymatic extracts** applicable to both the Aquaculture (Hatchery and Farm Ponds), Agriculture and Pet sectors (animals with fur, hair and feathers).

We have the **full range** of products in the Aquaculture sector ranging from Brood stocks Culture to Hatchery to Grow-Outs. We obtained IP status (PCTSG2018050351) for one of our shrimp products which we filed coverage for China and Malaysia. We have **key products** which effectively controls the spread of White Spot Virus (WSSV) and EHP when applied at the earliest stages of fry. To show how effective our products are, we have successfully demonstrated growing shrimps in the **open sea cages** subjected with 24/7 open sea diseases.

In 2019, we embarked on collaborative efforts with a local public-listed company to manage *Macrobrachium rosenbergii* brooders to PL production in Singapore. Our protocol leads to brooders with superior berry development and spawning to reach survival rates of 60 %. We are now on target to produce 1 to 3 million PL /month in 2020. By 2021, we will attain self-sufficiency by developing our very own special brooders with even higher quality fry.

We strongly emphasize improving healthier and robust fry at the hatchery **before** these fry are stock in grow out ponds. Together with our farm pond products, we are able to overcome most diseases facing the industry. We work selectively with some farmers to commercialize our product Hatchery and Farm Mixes for shrimps (coded as HMA and HMB for hatchery fry and FM for farm ponds) and fish/eels (coded as FiM). We have built hatcheries in Vietnam, Penang, and China with small farm ponds.

\*Our mission is safer foods for humans. Based on our belief, we avoid antibiotics and other carcinogenic chemicals commonly used in the ponds. Our forte is in our proprietary extracts which ensure better survival rates at the hatchery for superior quality fish and crustacean fry. Extending applications at the grow-outs/farm ponds, better harvest yields are obtainable.



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