Fishery sector plays an important role for developing countries, including Indonesia, not only for creating new jobs for people but also increasing our national income. Even though, many fishermen have lack of information about process of handling of fresh fish in order to protect it from damage and decay after harvesting, especially in small islands. Frozen is one of the methods which often applied for processing fish and other products. Industrial frozen food and frozen fish are already well known. Industrial frozen fish in developing countries can increase national income from export and fish production. However not all areas in Indonesia, especially in small islands outside Java, have enough ice plants for fishermen in order to keep the fishery fresh.

The target of our research is to develop a portable mini ice-plant, especially in small islands, to support the fishermen providing ice to keep fresh the fishery products.