
ABSTRACT

Native fish are fish that originate from Indonesia or are found in Indonesian waters, recognizable by characteristics such as living in specific regions and having different environments and ecosystems. Indonesia has native fish that inhabit specific areas such as rivers, small islands, and lakes. In Indonesia, there is a considerable variety of freshwater fish, including native and endemic species. The island of Java, for instance, boasts a wealth of fish species, with 132 different types, where 91% are native fish and 9% are endemic species. One of the threats to the survival of native fish is the presence of introduced fish. Introduced fish are foreign species brought from outside Indonesia for specific purposes and are not native to the natural habitat or zoogeographic distribution area. In Indonesia, there are introduced fish species promoted for consumption that have thick flesh, can grow to a large size, provide economically sufficient animal protein content, and have relatively affordable prices. This has led communities to prefer farming introduced fish, resulting in a lack of knowledge about native fish. Consequently, this poses a significant threat to the preservation of native freshwater fish in Indonesia. Furthermore, the public's knowledge of native and introduced fish is still very limited, and the difficulty in accessing fish-related information is also a major problem. Therefore, an effort that can be made is to establish a system that addresses these issues. A knowledge-based system containing fisheries data and information, including species of fish, biology, and other relevant aspects, is essential to support community efforts in preserving native fish species. The establishment of the Native and Introduced Freshwater Fish Information System in West Java aims to support such conservation programs. This system will be accessible to the general public, especially researchers and fish farmers interested in native and introduced fish. The information system will provide details about various native and introduced fish species, articles, fish information, fish galleries, and other relevant resources.

Keywords: Native Fish, Introduced Fish, System, Extinction, Conservation.