**Abstract**

Burns are a form of tissue damage or loss caused by contact with sources of heat, chemicals, electricity, and radiation. One of the ingredients that can be used to heal burns is ciplukan leaves and snakehead fish. In this research, a hydrogel-based plaster was developed enriched with ciplukan leaf extract *(Physalis angulate)* and snakehead fish *(Channa striata)* as an alternative therapy to accelerate the healing of burn wounds. Hydrogel was chosen because of its ability to retain wound moisture and support tissue growth. Ciplukan leaf extract has anti-inflammatory, anti-diabetic, and antimicrobial properties, while snakehead fish extract is rich in albumin which is important for tissue regeneration to avoid ongoing bacterial infections. In this research, a hydrogel-based burn plaster was made using variations in the composition of ciplukan leaf and snakehead fish extracts in ratios of 1:1, 1:2, and 2:1. The plaster manufacturing method involves mixing the active extract with the hydrogel to form a homogeneous mixture. Based on research results, the best burn plaster uses a 1:2 ratio of ciplukan leaf extract and snakehead fish. This plaster shows adequate organoleptic properties, good parameters, good antimicrobial activity, appropriate pH value, and consistent thickness of around 0.3 mm, and good resistance to pH which supports the healing process.

*Key words: Ciplukan leaf extract, snakehead fish extract, hydrogel, burns*