



**Paper 10 - Allied Health**

**RELATIONSHIP BETWEEN COPING STRATEGY AND PAIN RESPONSE AMONG GOUTY ARTHRITIS SUFFERERS IN SAWANGAN VILLAGE SONDER DISRICT, MINAHASA**

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**ABSTRACT**

Many of diseases are accompanied by pain, but the duration, quality and response to pain for each individuals are different. This can be caused by the duration of disease, lifestyle, psychosocial conditions, and others. The purpose of this study is to analyze the relationship between coping strategy and pain response among of Gouty Arthritis Population in Sawangan Village, District of Sonder, Minahasa. This research uses descriptive analytic method with cross sectional design. The sample in this study were all of sufferers with Gouty Arthritis in the village of Sawangan District of Sonder with amounted to 42 people by using purposive sampling technique that meets the criteria such as: aged over 25 years, there are clinical manifestations of pain, redness and swelling in the joints, uric acid levels more than 7 mg/dL in men and more than 6 mg/dL in women and experiencing chronic pain for more than 6 months. The study used two data collection tools: Coping Strategy Scale and Visual Analogue Scale. The levels of uric acid in the blood was measured by using an auto check. Spearman's Rank test has obtained  $p = 0.003$  ( $p < 0.005$ ) and  $r = 0.452$ , can be concluded that relationship between coping Strategy and pain responses was significant with a moderate relationship and positive direction. For Gouty Arthritis sufferers should be used an adaptive coping Strategy in overcome of pain stressor. For caregivers should be a model of healthy behaviors in providing services and play an active role in the promotion and preventive efforts related to cases in the community.

**Keywords:** Gouty arthritis, pain response, coping Strategy

