

## ABSTRACT

Under current condition, many roads have been damaged by factors such as weather, soil condition, vehicle volume and road endurance since the West Java Provincial Office of Highways (Bina Marga) handling the case, must be able to determine a priority in determining whice roads will be fixed first. Therefor, it takes a system capable of determining the order of damage roads that will be fixed first. With this system, especially the Office of Highways in the Management Center of Region II of Sukabumi City can know the order of priority of the road to be handled.

In this study the method used is Analytical Hierarchy Process (AHP). This method is used to solve the problem with certain criteria in determining the best weight. The pair comparisons of the criteria are then summarized in the evaluation matrix. The best results given on this method were selected five STA as the main priority order to be selected. Road damage with the highest percentage of 3.4% is located on Jl. Cibolang - Jl. Pelabuhan II at STA 45 and STA 48.

**Keywords:** highway, priority, analytical hierarchy process, criteria type of damage, service level criteria, vehicle volume criteria, alternative sejahtera, alternative cemerlang, alternative cibolang.