

## **Abstract**

Bonus is an employee rights that are obtained after they perform the tasks assigned by a company to him. There are many ways in which to provide bonuses to employees. There are companies that provide bonuses to all employees equally and there is also a bonus to see some criteria based on subjective assessment. Problem of calculating a bonus based on the values of the criteria which is owned by an employee is solved using the method of Fuzzy Hybrid and Forward Chain Inheritance

By using fuzzy method, the values of these criteria is processed into a membership function and continued proceed with defuzzification to produce weight bonus. Forward chain of inheritance is useful to trace who made the assessment criteria further bonus. After the entire process is done, the system produces the final bonus weight value. Bonus weight value is used as a reference amount of bonus received by an employee.

Test results and analysis show that the calculation of bonuses and forward using hybrid fuzzy inheritance chain produces a large bonus in accordance with the criteria and the small value owned by an employee. the accuracy of the system is highly influenced by the flow of inheritance system and membership functions are used.

**Keywords : bonuses, fuzzy hybrid, forward chain inheritance, membership function**