

## ***ABSTRACT***

In stock, option is a right that is grounded by a treaty agreement between the seller and buyer of a stock option, at a price that has been agreed upon by both parties at the beginning and in a certain time during the contract period lasts. Asian option is a type of option that calculation of benefits while clicking the option exercise depend on averaging asset prices throughout the period of the option contract lasts.

In this final project discussed how to determine the price of the Asian option European type, the type of call option, using multinomial lattice. Europe Asia option type can only be exercised at the time of maturity time or on the date of maturity of the option. Then the methods used is a multinomial lattice method, lattice method is the method used to calculate and model the movement of stock prices by dividing the time between now and the expiry of options (maturity time) into discrete period. In the calculation of option (call) Asia there are some parameters that are needed, the parameters for the strike price ( $X$ ), the parameters for the value of the interest rate ( $r$ ), and the parameter value of the stock ( $S$ ). The larger the value of  $X$ , the resulting option price will be smaller, while the greater the value  $r$  dihasilka the option price will be even greater. It can be concluded multinomial lattice method can be used to calculate the option (call) Asian European type.

**Keyword : Asian option, *lattice* method, *lattice* multinomial and *call* option**