

ABSTRAK

Suatu matriks A dikatakan nonpositif total nonsingular jika determinan dari submatriks A adalah nonpositif yang dapat dinotasikan dengan $\det A[\{\alpha\}|\{\beta\}] \leq 0, \alpha, \beta \in Q_k, n$ dan determinan A adalah negatif yang dinotasikan dengan $\det A < 0$.

Kata kunci: *Matriks Nonpositif Total, Matriks Nonsingular, Determinan.*

ABSTRACT

A matrix A is said to be totally nonpositive nonsingular if the determinant of submatrix A is nonpositive which can be denoted by $\det A[\{\alpha\}|\{\beta\}] \leq 0, \alpha, \beta \in Q_k, n$ and the determinant of A is negative which is denoted by $\det A < 0$.

Keywords: *Totally nonpositive nonsingular matrix, nonsingular matrix, the determinant matrix.*