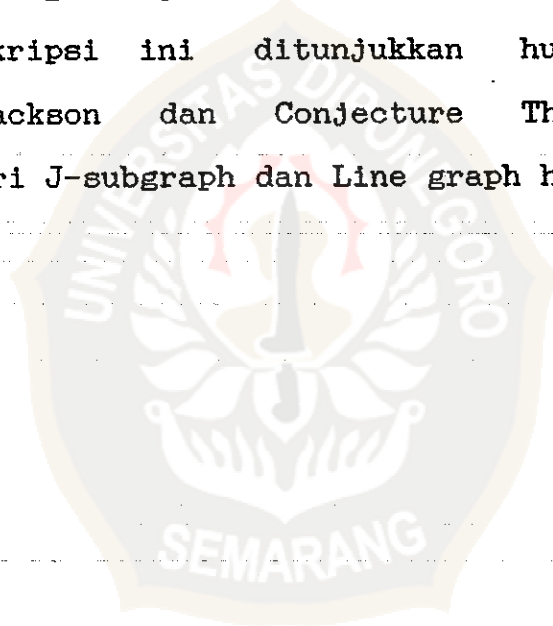


ABSTRAK

Conjecture Jackson menyatakan bahwa jika G merupakan graph 2-garis terhubung, maka G mempunyai subgraph euler H dengan $|V(H)| \geq 2$, sedemikian sehingga untuk setiap komponen F dari $G-V(H)$ terdapat sebanyak-banyaknya 3 garis antara F dan H .

Conjecture Thomassen menyatakan bahwa semua line graph 4-terhubung merupakan hamiltonian.

Dalam skripsi ini ditunjukkan hubungan antara Conjecture Jackson dan Conjecture Thomassen serta eksistensi dari J -subgraph dan Line graph hamiltonian.



ABSTRACT

Jackson conjectured that if G is a 2-edge-connected graph, then G has an eulerian subgraph H with $|V(H)| \geq 2$ such that for each component F of $G-V(H)$, there are at most three edges between F and H .

Thomassen conjectured that all 4-connected line graphs are hamiltonian.

In this research be showed the connectivity between Jackson's conjecture and Thomassen's conjecture, and the existence of J -subgraphs and hamiltonian line graphs.

