

ABSTRAK

Himpunan terbuka membangun basis persekitaran dari semigrup topologis. Closure dari suatu himpunan bagian semigrup topologis merupakan irisan dari semua hasil operasi biner himpunan bagian tersebut dengan anggota basis persekitaran di elemen identitas. Selanjutnya akan diteliti tentang sifat-sifat closure suatu subgrup.

Kata kunci : himpunan terbuka, semigrup topologis, grup kuasitopologis, closure, closure subgrup

ABSTRACT

Open sets build neighborhood base of a topological semigroup. Closure of a set of topological semigroup is a intersection from all the set's binary operation and the member of neighborhood base at identity element. Next, will examined about the characteristics of closure of a subgroup.

Keyword : open set, topological semigroup, quasitopological group, closure, closure of subgroup