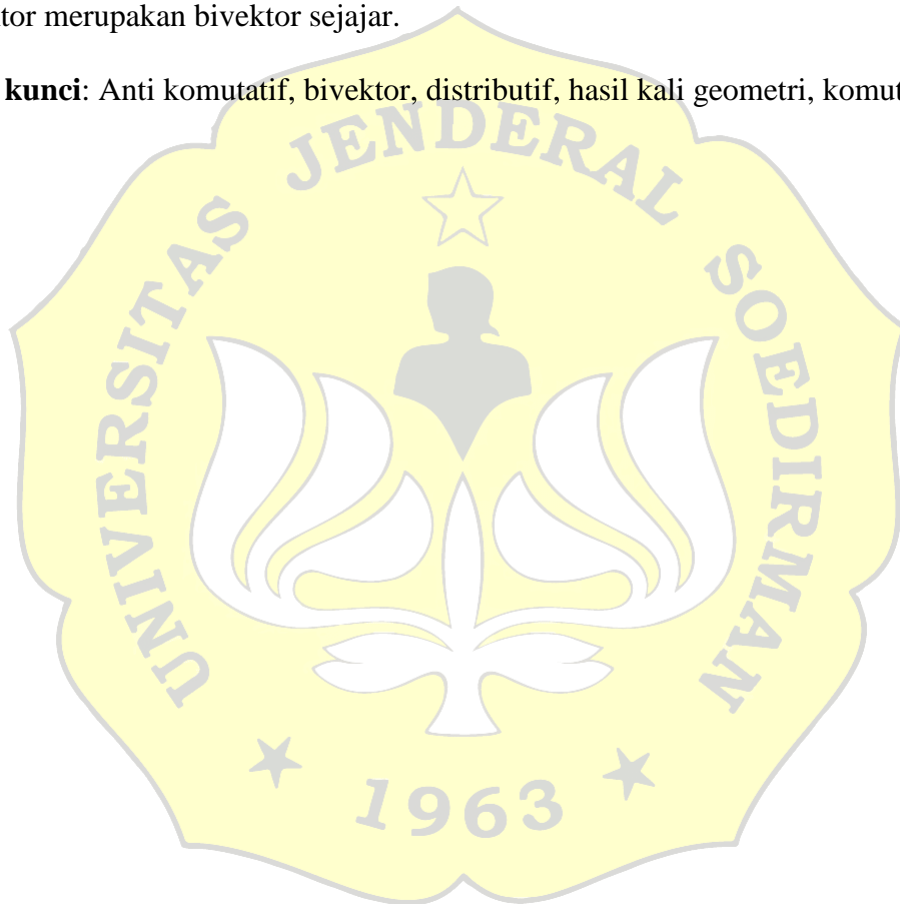


ABSTRAK

Skripsi ini membahas mengenai hasil kali geometri antar bivektor. Hasil kali geometri antar bivektor merupakan penjumlahan dari hasil kali dalam antar bivektor dan hasil kali luar antar bivektor. Hasil kali geometri antar bivektor memenuhi sifat distributif terhadap penjumlahan. Secara umum, hasil kali geometri antar bivektor tidak memenuhi sifat komutatif maupun anti komutatif. Hasil kali geometri antar bivektor memenuhi sifat anti komutatif apabila dua buah bivektor merupakan bivektor tegak lurus dan sifat komutatif dipenuhi apabila dua buah bivektor merupakan bivektor sejajar.

Kata kunci: Anti komutatif, bivektor, distributif, hasil kali geometri, komutatif



ABSTRACT

This study discusses the geometric product of bivectors. The geometric product of two bivectors is the sum of inner product and outer product of bivectors. The geometric product of bivectors satisfies distributive property over addition. In general, the geometric product of bivectors does not fulfill the commutative and anticommutative properties. The geometric product of two bivectors satisfies the anticommutative property if two bivectors were perpendicular bivectors and satisfies commutative property if two bivectors were parallel bivectors.

Keywords: *Anticommutative, bivector, commutative, distributive, geometric product*

