

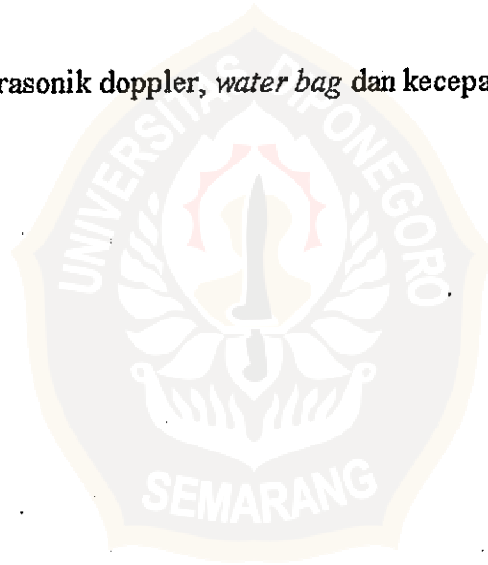
INTISARI

Telah dilakukan pengujian *water bag* sebagai alat bantu terhadap hasil pengukuran kecepatan aliran darah arteri carotis dan arteri radialis melalui pemeriksaan ultrasonografi doppler dengan frekuensi transduser 3,5 MHz

Pengujian dilakukan dengan variasi ketebalan *water bag* dan variasi transduser. Kompilasi data dilakukan dengan membandingkan nilai pengukuran menggunakan alat standar terhadap nilai pengukuran menggunakan *water bag*.

Hasil pengujian menunjukkan bahwa : pada ketebalan *water bag* 4 cm dan 5 cm dapat dipakai sebagai alat bantu pemeriksaan.

Kata kunci : ultrasonik doppler, *water bag* dan kecepatan



ABSTRACT

Water bag testing has been done as an extragadget to the measuring result of fastness carotic artery and radialis artery blood flow using dopler ultrasound with frequency 3,5 MHz.

Testing was done by using thickness variations of water bag and variations of transducer. Data compilation was done with coparated the measuring value by standard equipment and measuring value with water bag.

Result of the testing show that : In the 4 cm and 5 cm water bag's thickness can used as extragadget in the examinations.

Key words : Doppler ultrasonic, Water bag, and Velocity.

