

## Gel acoustic coupling agent usg berbasis karbomer 940 dengan penambahan aloe vera sintesis dan pengujian = Ultrasound gel acoustic coupling agent based on carbomer 940 with the addition of aloe vera synthesis and testing / Akhmadi

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### Abstrak

Penelitian ini bertujuan untuk mensintesis gel acoustic coupling agent USG berbasis karbomer 940 dengan variasi konsentrasi penambahan aloe vera 25%, 40%, dan 55%. Gel hasil sintesis diuji, terdiri dari : organoleptis (warna, bau, dan homogenitas), pH, viskositas, konsistensi, karakteristik ultrasonik, dan pencitraan. Data hasil penelitian dianalisis dengan ANOVA dengan taraf kepercayaan 95%.

Hasil penelitian ini menunjukkan bahwa penambahan aloe vera pada gel acoustic coupling agent USG berbasis karbomer 940 dapat dibuat menjadi gel USG, dan memiliki kekurangan.

*This study aims to synthesize the addition of aloe vera to the concentration variation of 25%, 40%, and 55% compared with gel-based ultrasound acoustic coupling agent carbomer 940. The result of gel's synthesized tested for the consisting of : organoleptic (color, odor, and homogeneity), pH, viscosity, consistency, characteristics ultrasonic and ultrasonic imaging characteristics. The data were analyzed stastically by ANOVA with 95% level of trust.*

*The results of this study indicate that the addition of aloe vera into gel-based ultrasound acoustic coupling agent carbomer 940 can be made to be ultrasound gel and disadvantage.*