

## The Development of biosensor-Based on polydiacetylene for The Detection of Prostate-Specific Antigen(PSA)

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This research is simple with biosensor using Polydiacetylene(PDA) in base to diagnose the Prostate-Specific Antigen(PSA). Polydiacetylene(PDA) immobilization on the glass surface was achieved by NHS/EDC chemical reaction for developing of biological sensor system. This experimentation demonstrate the application of this techniqye for sensitive and specific diagnosis of PSA as an example of both protein binding in general and tumor marker diagnosis in particular. We will be able to confirm that PSA is detected with PDA sensor and use interlinker and mechanical method with saw the amplification effect of signal.