

Noble Synthesis of nanosclae SiO<sub>2</sub>@ZnO to sense Polycyclic aromatic hydrocarbons (PAHs)  
using fluorescence resonance energy transfer (FRET)

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Due to the high toxicity of Polycyclic aromatic hydrocarbons (PAHs), the Research continues to progress for detecting the amounts of residual contaminants. Nano-materials (TiO<sub>2</sub>, Graphene etc.) capable of adsorbing PAHs research is in progress, progress was also detected in the study of PAHs using Quantum Dot. Alternatively, this poster is representing the study of PAHs using FRET of UV Emission ZnO quantum dots that not to use harmful substances such as Cd harmful substances.