

## Photoemission studies of si quantum dots with ge core: dots formation, intermixing at si-clad/ge-core interface and quantum confinement effect

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=119165&lokasi=lokal>

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### Abstrak

Spherical si nanocrystallites with ge core (~20- nm in average dot diameter) have been prepared by controlling selective growth conditions of low-pressure chemical vapor deposition (LPCVD) on ultrathin SiO<sub>2</sub> using alternately pure SiH<sub>4</sub> and 5% GeH<sub>4</sub> diluted with He....