

### *Significance*

Plants can be used ,as not just simple, low-cost but also environmentally friendly biomaterial, to synthesize SNPs for further usage of food industry, skin treatment industry and agriculture industry.

### *Conclusion*

Sulphur nanoparticles can be made by acid hydrolysis of sodium thiosulphate with leave extracts, including *Melia azedarach*, *Osmanthus fragrans*, *Oplismenus compositus*, *Bauhinia blakeana*, as surfactant to synthesize sulphur nanoparticles.

The synthesized SNPs can activate of growth of plant and inhibit of growth of fungi. *Osmanthus fragrans* and *Oplismenus compositus* can perform the best results in both effect in plant growth and best inhibit the bread mould.