

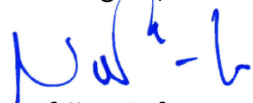
Dear Editor,
International Journal of Technology

The article Effect of NaCl Addition on Nano Rosette TiO₂ Crystal Growth During Hydrothermal Deposition has been presented in the 4nd i-TREC 2019 and has been accepted for further consideration in IJTech Journal. We have prepared the article in according to IJTech template. This article is about the effect of sodium chloride on the characteristics of nano rosette TiO₂ grown through a hydrothermal method. The sodium chloride was used to control the growth of nano rosette TiO₂.

In summary, the work was performed through deposition on top of a glass substrate via hydrothermal reaction at 170 °C for 6 hours. At an optimized condition, the crystallization process was controlled through addition of 0, 2.5, 5, and 10% v/v NaCl. Formation and growth of the crystal were characterized using X-ray diffraction, whereas the morphology was examined using electron microscopes. The morphology showed that for 6 hours with no NaCl addition, the reaction product indexed to rutile P4₂/mnm with lattice parameters of $a = 4.557(6) \text{ \AA}$ and $c = 2.940(5) \text{ \AA}$. The addition of NaCl was proven to inhibit the crystal growth of nano rosette TiO₂ with an optimum concentration of 2.5% and average rosette petal cross-sectional size 80% smaller than that of the crystal grown with no NaCl addition.

We do hope that this article will meet your publication standard. Many thanks in advance, and we are looking forward to hearing from you,

Best regard,



Nofrijon Sofyan