



Physical Structure Analysis and Optical Properties of Sudan III Thin Film
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Fabrication of Sudan III thin film for sensor technology application has been carried out by using PVD method. The physical structure i.e crystallinity of this film have been investigated by using XRD method. In this paper would be described the interplanar distance of crystals plane, the average crystallite size and the average molecular chain separation within the Sudan III thin film and also for pure Sudan III in powder form as comparison. The optical properties of the Sudan III thin film is also discussed.



Heindrich Taunaumang, has completed his Master of Science at age of 37 years from Macquarie University Sydney Australia of Physics and Doctoral study from Institut Teknologi Bandung (ITB) Indonesia of Physics. He is a Profesor as lecturer in Manado State University, North Sulawesi, Indonesia. He has published 7 papers in International reputed journals and also

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