

Review of: "Experimental Behavior of Solar Still Using Mixed Oxides Mn-Fe/Silicon Resin Composite as Selective Solar Absorber"

Mohd Mahadi Halim¹

¹ Universiti Sains Malaysia

Potential competing interests: No potential competing interests to declare.

This work presents an investigation of the optical properties and performance of a black pigment composed of Mn-Fe oxides for application in a passive solar still. The study takes into account various parameters, including spectral absorbance and emittance, crystalline structure, morphology, and spectral transmittance of the pigment when dispersed in silicone resin onto float glass. The results show promise to be utilized in applications.

Some of the notable concerns:

Title mentioned "silicon." Please revise.

All the equations are not properly formatted. Please check. It is also suggested that the equations be numbered for easier referencing.

The equation for H , the daily insolation, is still in code and not properly formatted. Please check.

Figure 7. An extra green line representing the Western condenser does not appear in the graph. Please check.

Some format errors and English language need a bit further polishing before the manuscript is ready to be accepted for publication.