

## LAMPIRAN

### Lampiran 1 Perhitungan Massa Bahan Fe<sup>3+</sup> dan Fe<sup>2+</sup>

a. Bahan : FeCl<sub>3</sub>.6H<sub>2</sub>O

Mr : 270,32 g/mol

N : 0,075 mol

Perhitungan Massa :

$$\begin{aligned} \text{massa} &= n \times mr \\ &= 0,075 \times 270,32 \\ &= 20,274 \text{ gram} \end{aligned}$$

b. Bahan : (NH<sub>4</sub>)<sub>2</sub>Fe(SO<sub>4</sub>)<sub>2</sub>.6H<sub>2</sub>O

Mr : 342,14 g/mol

N : 0,0375 mol

Perhitungan Massa :

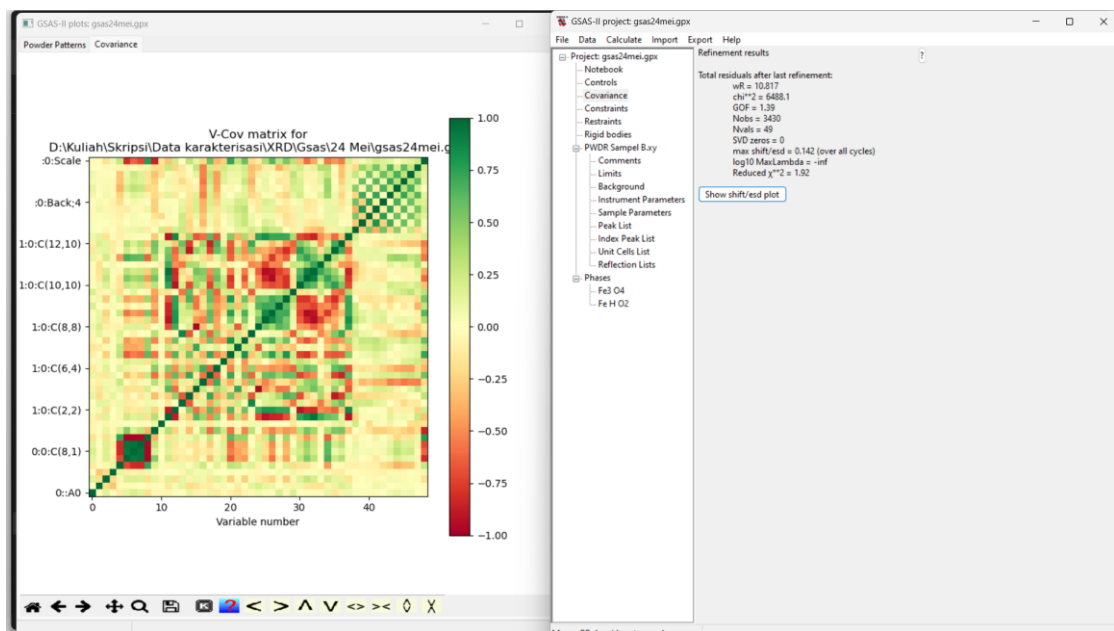
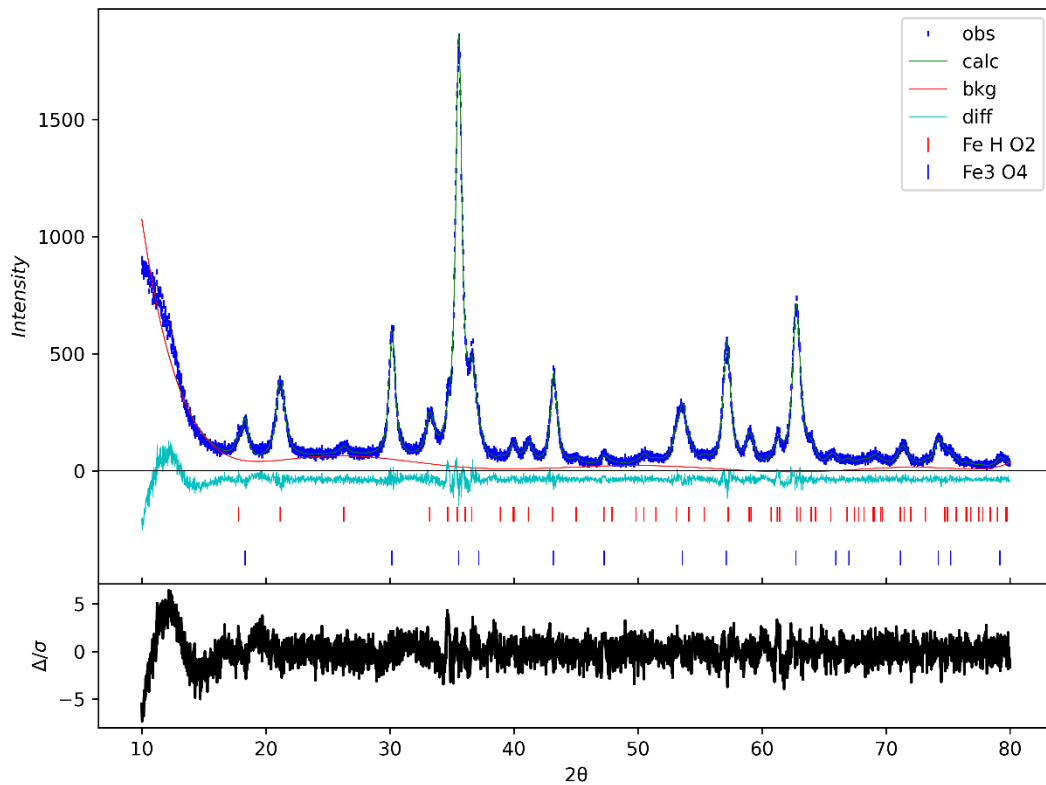
$$\begin{aligned} \text{massa} &= n \times mr \\ &= 0,0375 \times 342,14 \\ &= 14,706 \text{ gram} \end{aligned}$$

## Lampiran 2 Alat dan Bahan





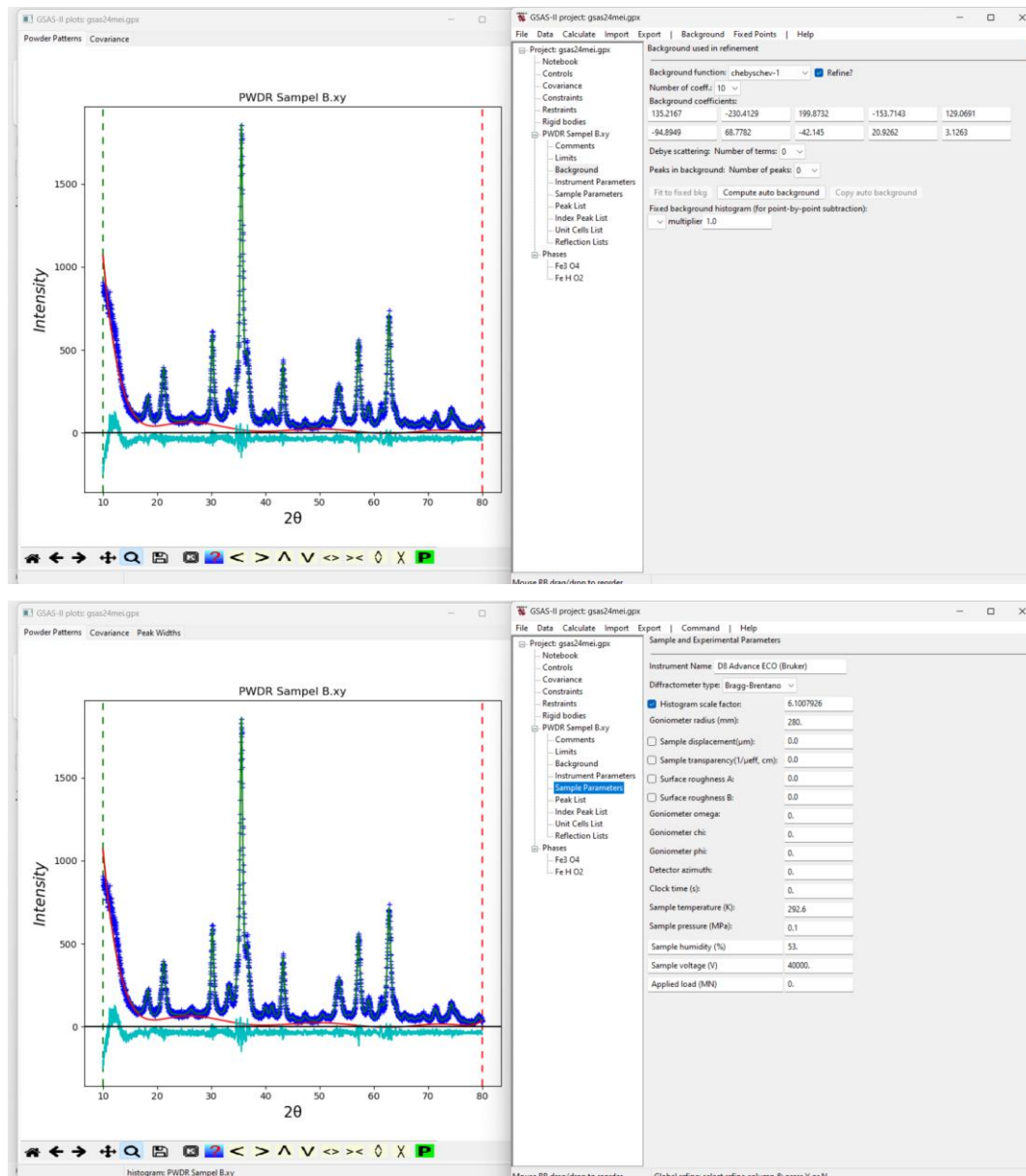
## Lampiran 3 Pengolahan Data XRD Melalui Gsas

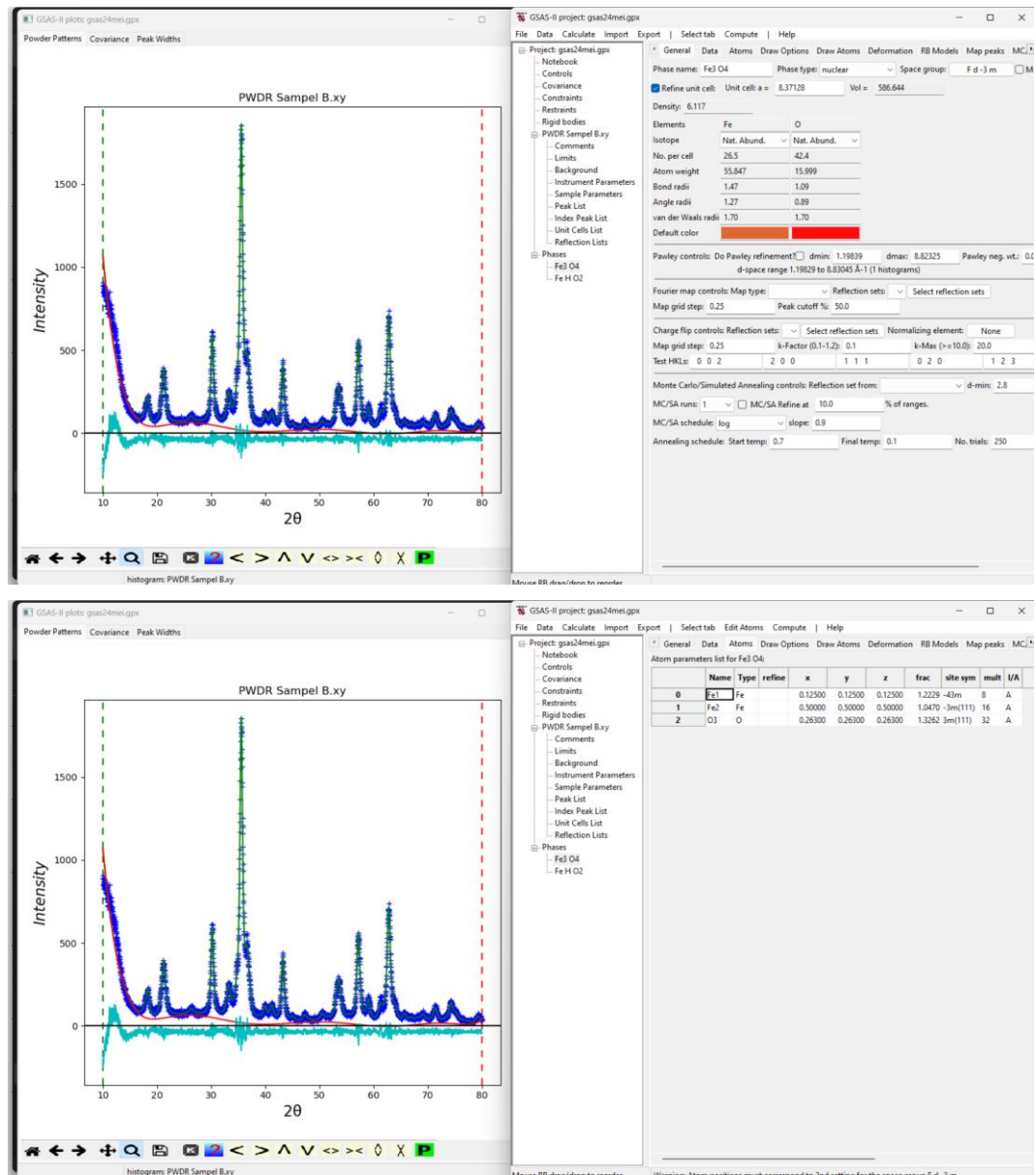


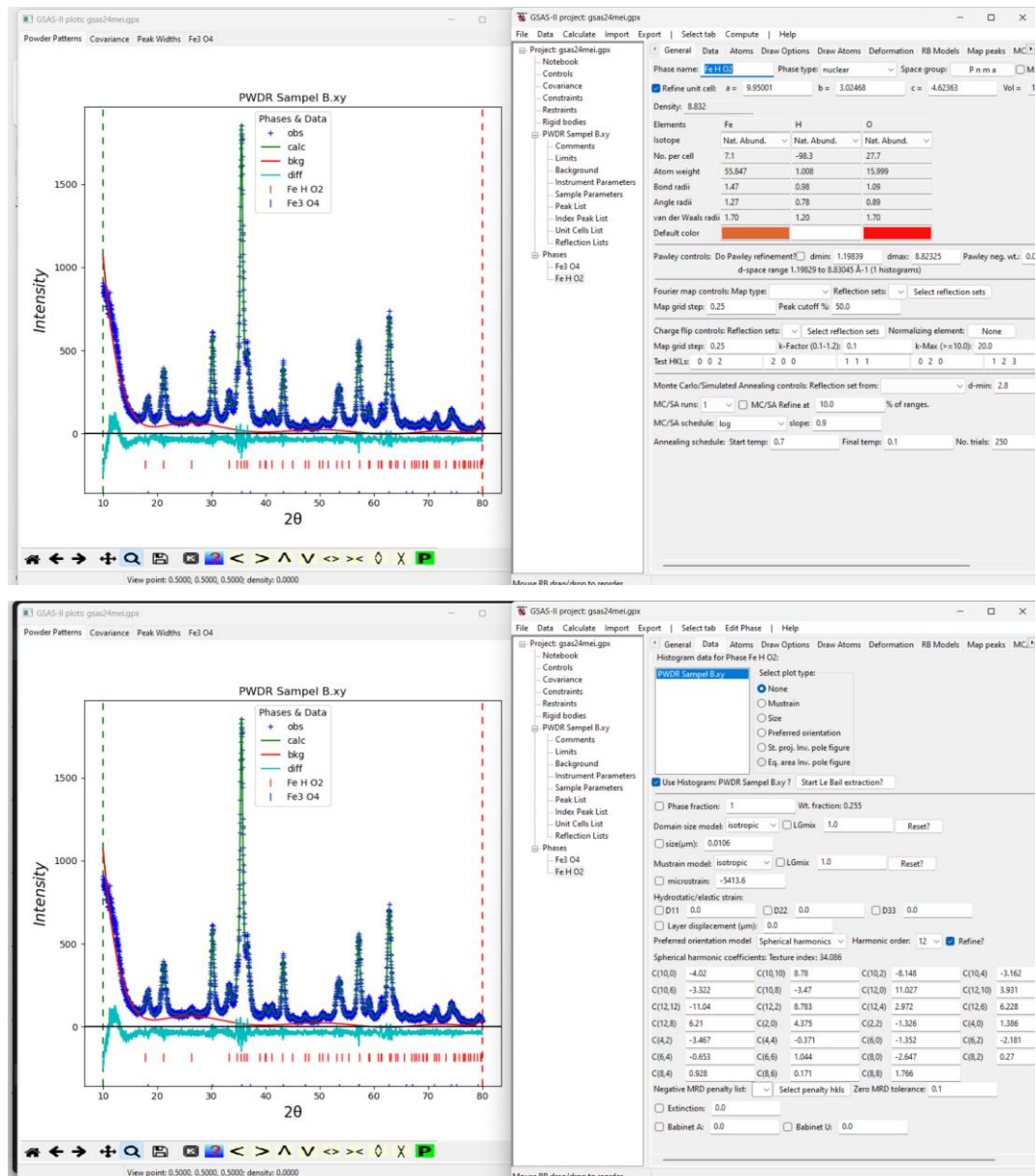
Sulissetiawati, 2024

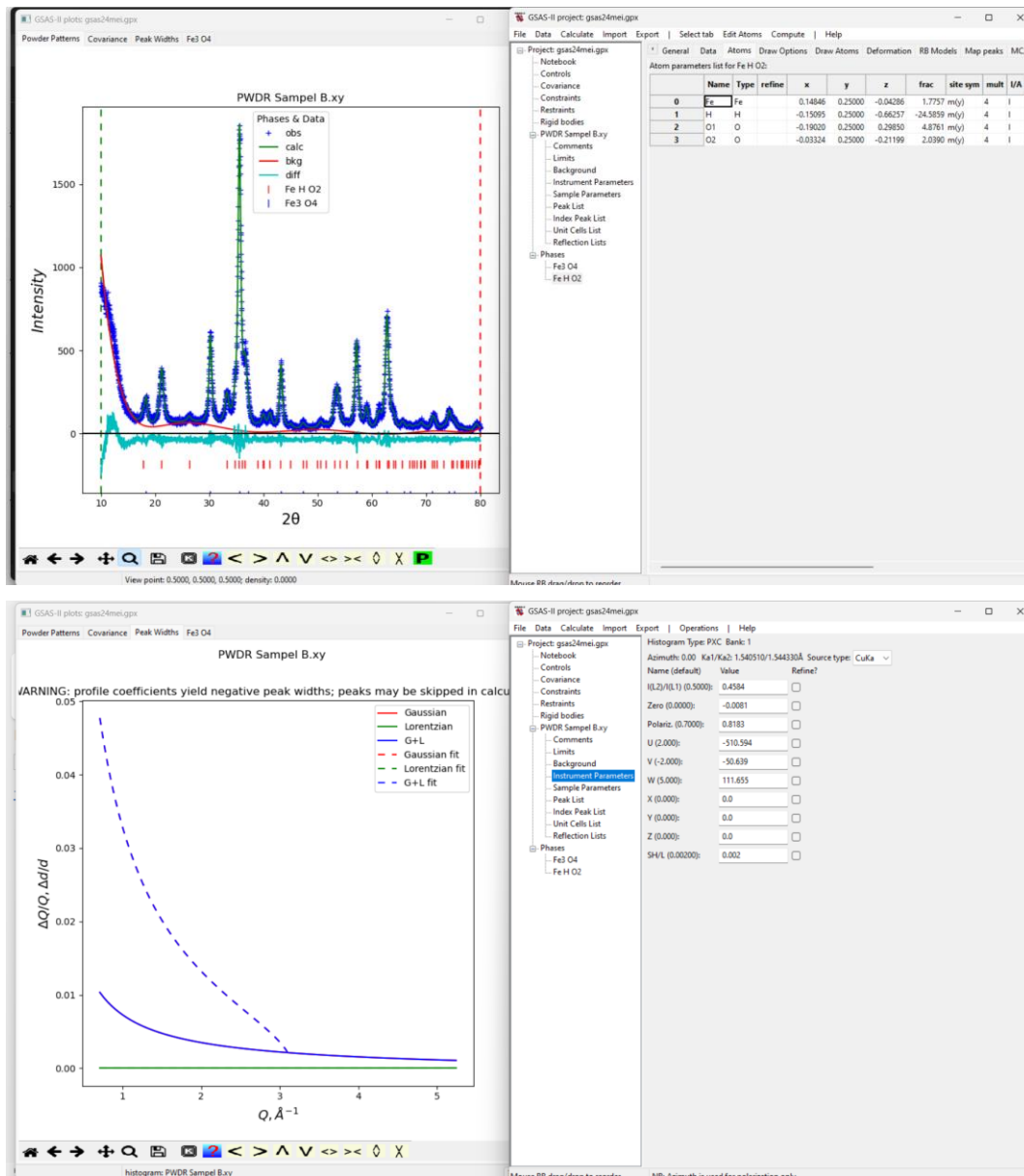
SINTESIS DAN KAJIAN STABILITAS FERROFLUIDA  $Fe_3O_4$  SERTA POTENSI APLIKASINYA PADA ELECTROMAGNETIC VIBRATION ENERGY HARVESTER

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## Lampiran 4 Pengukuran Agregasi Melalui ImageJ

