**Fig. S1** Rheological properties for nanofluid of NiO-starch-NaOH-H2O at *φ*1=1.17%, different magnetic field and 298.15 K, S1a: Shear stress versus shear rate S1b: Shear viscosity versus shear rate.

**S1a**

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**S1b**

****

**Fig. S2** Rheological properties for nanofluid of NiO-PEG400-PEG2000 at *φ*1=1.35%, different magnetic field and 298.15 K, S2a: Shear stress versus shear rate S2b: Shear viscosity versus shear rate.

**S2a**

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**S2b**

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**Fig. S3** Rheological properties for nanofluid of NiO-PEG400-PEG6000 at *φ*1=1.35%, different magnetic field and 298.15 K, S3a: Shear stress versus shear rate S3b: Shear viscosity versus shear rate.

**S3a**

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**S3b**

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