

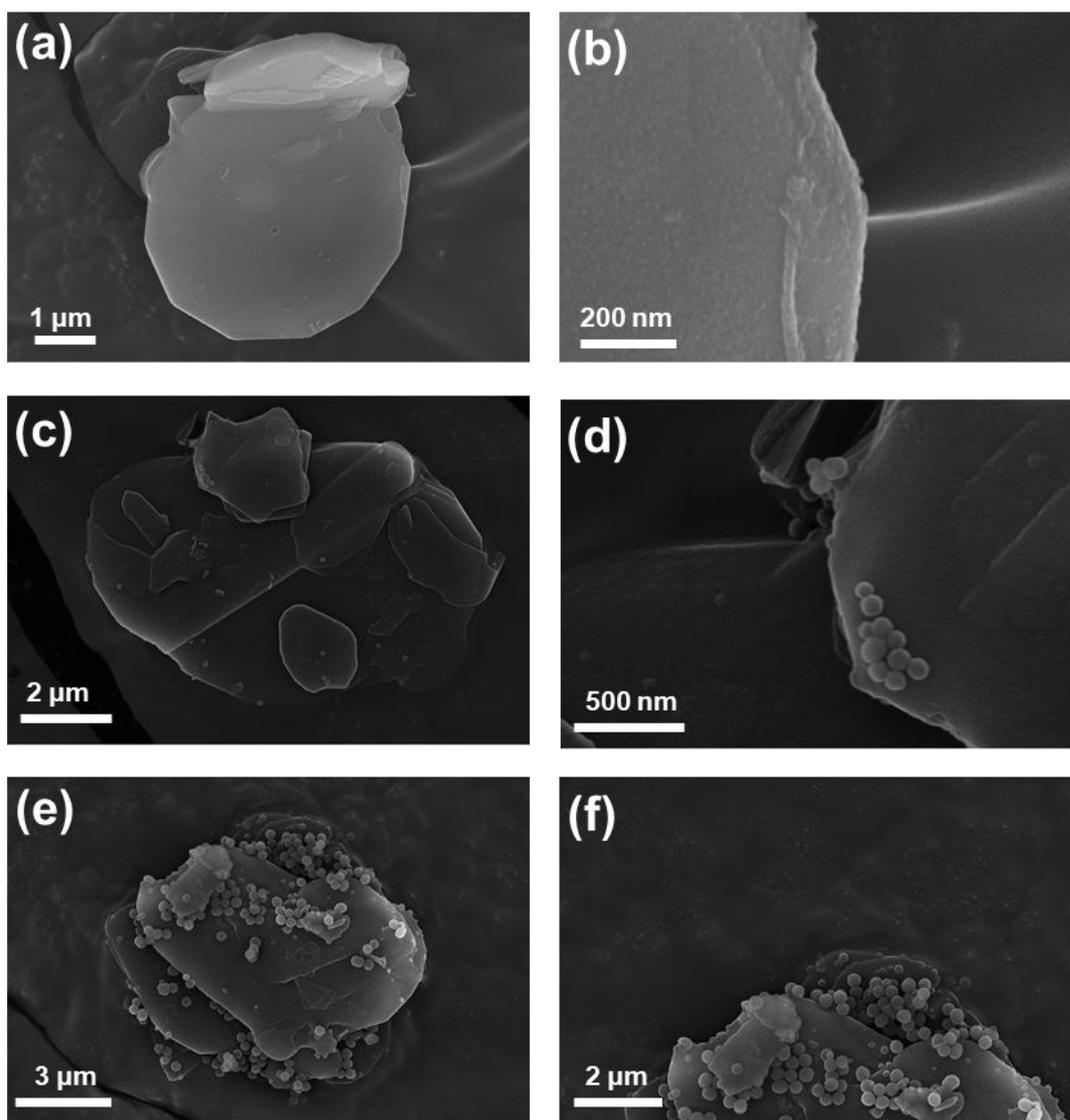
## **Supplementary material**

# **Carbonization of Polydopamine-Coating Layers on Boron Nitride for Thermal Conductivity Enhancement in Hybrid Polyvinyl Alcohol (PVA) Composites**

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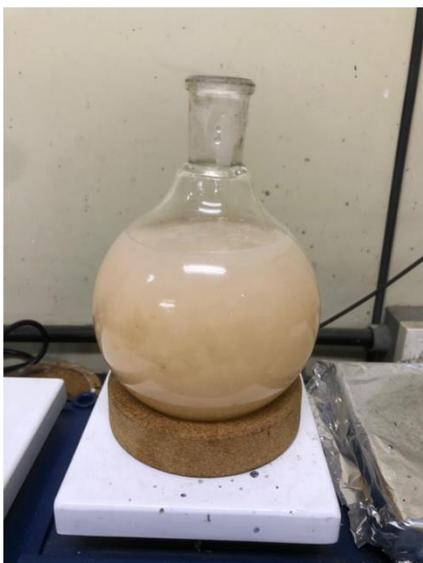
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**Figure S1.** FE-SEM images of BNPDA with various input ratio of BN and DA (a, b) 1:0.2, (c, d) 1:0.4, and (e, f) 1:0.8.

(a)



(b)



**Figure S2.** Digital photograph images showing color change of BNPDA solution after 24 h reaction.