Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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Title: Catalytic synthesis of non-carbon fuel NH_3 from easily available N_2 and H_2O over FeO(100) surface: Reaction mechanism with density functional theory study **Authors:** Xin Song,† Lina Sun,† Ping Ning, Chi Wang, Xin Sun, Kai Li* and Maohong Fan*

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Electronic Supplementary Information

Figure

Figure Captions

Fig. S1. Outlet gas concentration of NH₃ and N₂ over FeO in NH₃ synthesis process (reaction temperature = $600 \,^{\circ}$ C; GHSV = $3000 \, h^{-1}$; inlet N₂ in Ar = 2%; inlet H₂O in Ar = 5%)

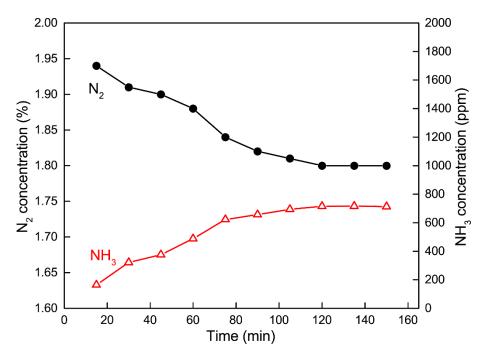


Fig. S1