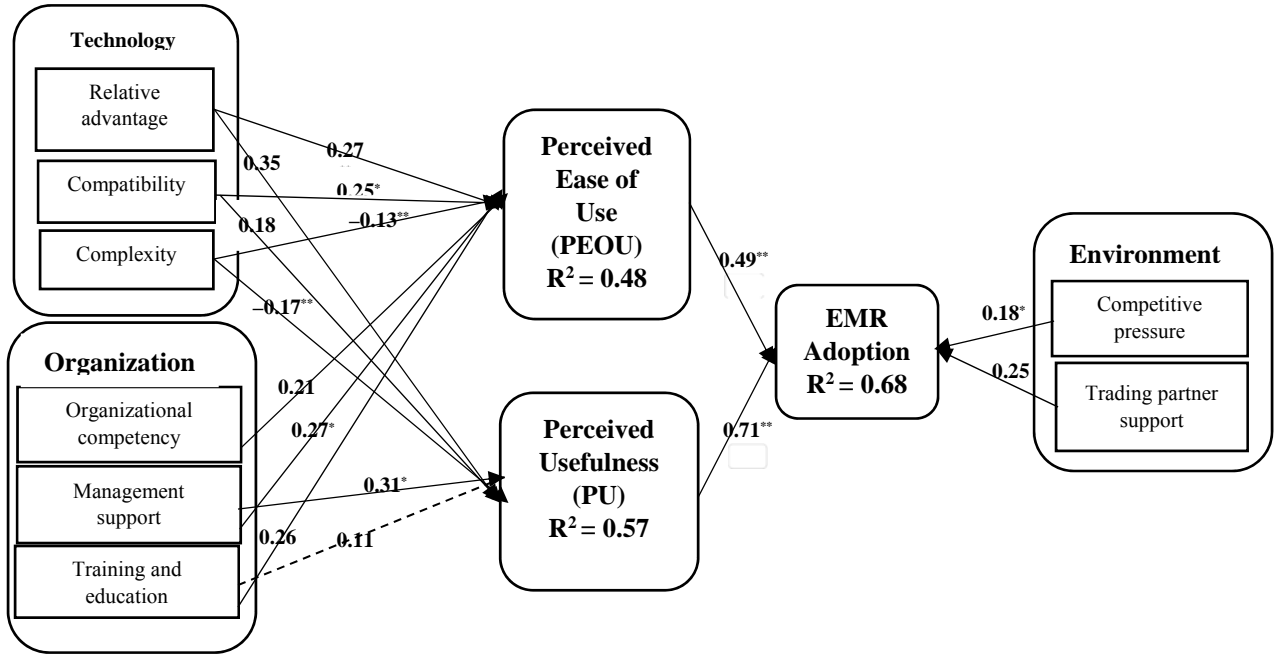


Figure 2. Validated proposed integrated model results



* $P \leq 0.05$; ** $P \leq 0.01$.