**Data Availability Statement:** the data used in this study has been completely included (see Table 2) in the manuscript. For the ANFIS, RF, GPR, and SVR methods, we developed open-source scripts using MATLAB R2016a. Source codes are open-source and freely available for download from GitHub (<https://github.com/Rhmad9416026024R/Brittleness>). Codes have 8 inputs defined as “x1-x8”, and one output defined as “y1”. The MBPN was performed using Toolbox. Hence, there is no code for MBPN.