**Table 6.** The experimental values of the performance metrics obtained for the testing set of Berubari.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input****combinations** | **Models** | *R*2 | *d* | *Ag* | *RMSE* | *RMSRE* | *Ae* |
|  | DT | 0.473 | 0.826 | 0.650 | 1.305 | 0.224 | 0.764 |
| *C*1 | ANNANFIS | 0.5020.491 | 0.8300.831 | 0.6660.661 | 1.2691.282 | 0.2180.222 | 0.7430.752 |
|  | *EvatCrop* | **0.511** | **0.840** | **0.675** | **1.257** | **0.216** | **0.737** |
|  | DT | 0.954 | 0.988 | 0.971 | 0.385 | 0.071 | 0.228 |
| *C*2 | ANNANFIS | 0.9580.955 | 0.9890.988 | 0.9740.972 | 0.3690.380 | 0.0680.071 | 0.2180.225 |
|  | *EvatCrop* | **0.970** | **0.992** | **0.981** | **0.313** | **0.054** | **0.184** |
|  | DT | 0.501 | 0.843 | 0.672 | 1.269 | 0.205 | 0.737 |
| *C*3 | ANNANFIS | 0.5580.516 | 0.8530.844 | 0.7050.680 | 1.1951.251 | 0.1970.212 | 0.6960.731 |
|  | *EvatCrop* | **0.578** | **0.863** | **0.720** | **1.168** | **0.193** | **0.681** |
|  | DT | 0.562 | 0.867 | 0.714 | 1.189 | 0.213 | 0.701 |
| *C*4 | ANNANFIS | 0.5610.591 | 0.8590.875 | 0.7100.733 | 1.1911.150 | 0.2190.208 | 0.7050.679 |
|  | *EvatCrop* | **0.619** | **0.883** | **0.751** | **1.109** | **0.200** | **0.654** |
|  | DT | 0.947 | 0.986 | 0.967 | 0.412 | 0.073 | 0.242 |
| *C*5 | ANNANFIS | 0.9630.959 | 0.9910.990 | 0.9770.974 | 0.3440.362 | 0.0600.067 | 0.2020.215 |
|  | *EvatCrop* | **0.973** | **0.993** | **0.983** | **0.294** | **0.053** | **0.173** |
|  | DT | 0.964 | 0.991 | 0.977 | 0.343 | 0.060 | 0.201 |
| *C*6 | ANNANFIS | 0.9750.980 | 0.9930.995 | 0.9840.987 | 0.2870.256 | 0.0590.047 | 0.1730.151 |
|  | *EvatCrop* | **0.988** | **0.997** | **0.992** | **0.205** | **0.035** | **0.120** |
|  | DT | 0.584 | 0.877 | 0.731 | 1.159 | 0.203 | 0.681 |
| *C*7 | ANNANFIS | 0.6450.436 | 0.8870.843 | 0.7660.639 | 1.0711.350 | 0.1870.279 | 0.6290.814 |
|  | *EvatCrop* | **0.683** | **0.902** | **0.793** | **1.012** | **0.173** | **0.592** |
|  | DT | 0.962 | 0.990 | 0.976 | 0.348 | 0.062 | 0.205 |
| *C*8 | ANNANFIS | 0.9570.440 | 0.9890.875 | 0.9730.658 | 0.3711.344 | 0.0790.298 | 0.2250.821 |
|  | *EvatCrop* | **0.988** | **0.997** | **0.992** | **0.198** | **0.034** | **0.116** |

\**RMSE* measured in mm/day.