Table 1) influential criteria and sub-criteria in brownfields' assessment and prioritization

| Influential characteristics classification | Criteria | Sub-criteria |
| :---: | :---: | :---: |
| Physical |  | Small scale: < 1 ha |
|  | Particles size (gradation) | Medium scale: 1-5ha |
|  |  | Large scale:>5ha |
|  | Land condition/function | Without function: abandoned |
|  | Land condition/function | With industrial-workshop function |
|  | Previous land-use | Industrial-manufactory Industrial-workshop |
|  |  | High way and freeway-type 1 artery |
|  | Access | Collector and distributor- type 2 artery |
|  | Condition of the mass in the block | Local and neighborhood <br> With worn and destructed buildings With worn but efficient buildings |
| Economic | Ownership | Private |
|  |  | Public |
|  |  | Governmental-military |
|  |  | Endowment |
| Environmental | Zones contaminated to soil and water pollution | Various soil and water pollutants Visual and environmental pollution Environmental pollution |
| National plans | Fields position to the plan's zoning | Housing |
|  |  | Protection |
|  | Fields position to the suggested spots in the plan | At center |
|  |  | Adjacent to center |
|  |  | Far from center |
|  | Fields position to the suggested passages in the plan | Not crossing the fields Crossing a small part of the fields Crossing a huge part of the fields |

Table 2) the average distance of the brownfields from the zoning, suggested centers and passages in Mashhad development plan 2006

| District | Plan's zoning | Suggested centers in the <br> plan | Suggested passages in <br> the plan |
| :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | 150 | 530 | 180 |
| $\mathbf{2}$ | 240 | 670 | 120 |
| $\mathbf{3}$ | 190 | 450 | 160 |
| $\mathbf{4}$ | 310 | 520 | 130 |
| $\mathbf{5}$ | 230 | 610 | 150 |
| $\mathbf{6}$ | 380 | 540 | 110 |
| $\mathbf{7}$ | 250 | 390 | 120 |
| $\mathbf{8}$ | 170 | 460 | 140 |
| $\mathbf{9}$ | 210 | 610 | 270 |
| $\mathbf{1 0}$ | 190 | 570 | 160 |
| $\mathbf{1 1}$ | 210 | 410 | 180 |
| $\mathbf{1 2}$ | 280 | 590 | 220 |
| Samen | 0 | 0 | 0 |



Figure 5) indicators' weighting process in multi-criteria spatial support system in ARC GIS 10.3

Table 3) the results of the multi-criteria spatial supporting system for setting Mashhad's districts priorities for the brownfields' redevelopment in 2009

| District | SAW | TOPSIS | Priority | Redevelopment <br> priority |
| :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1}$ | 2.012 | 0.221 | 11 | Eleventh |
| $\mathbf{2}$ | 6.065 | 0.198 | 7 | Seventh |
| $\mathbf{3}$ | 10.23 | 0.312 | 5 | Fifth |
| $\mathbf{4}$ | 8.03 | 0.222 | 6 | Sixth |
| $\mathbf{5}$ | 5.029 | 0.354 | 8 | Eighth |
| $\mathbf{6}$ | 12.09 | 0.413 | 4 | Fourth |
| $\mathbf{7}$ | 13.08 | 0.558 | 2 | Second |
| $\mathbf{8}$ | 2.096 | 0.103 | 10 | Tenth |
| $\mathbf{1 0}$ | 3.089 | 0.156 | 9 | Ninth |
| $\mathbf{1 1}$ | 11.02 | 0.446 | 3 | Third |
| $\mathbf{1 2}$ | 2.055 | 0.121 | 12 | Twelfth |
| Samen | 14.02 | 0.522 | 1 | First |
|  | 0.012 | 13 | Last |  |

