Table 3: Specific values ​​and variance explained by factors (after rotation)

|  |  |  |  |
| --- | --- | --- | --- |
| Factors | Eigenvalue | % of variances | Cumulative of variances |
| 1 | 3.029 | 30.289 | 30.289 |
| 2 | 2.113 | 21.126 | 51.415 |
| 3 | 2.042 | 20.422 | 71.836 |

Table 4: Extracted Commonalities of the Questions in the Questionnaire

|  |  |
| --- | --- |
| Questions | Communalities Extraction |
| Q1 | .916 |
| Q2 | .732 |
| Q3 | .696 |
| Q4 | .810 |
| Q5 | .460 |
| Q6 | .493 |
| Q7 | .903 |
| Q8 | .774 |
| Q9 | .784 |
| Q10 | .716 |

Table 5: Matrix of the rotated factor loads with main component method and Varimax rotation with three factors

|  |  |  |  |
| --- | --- | --- | --- |
| Questions | Factor 1 | Factor 2 | Factor 3 |
| Q4 | .880 | .148 | .120 |
| Q9 | .871 | -.049 | .155 |
| Q10 | .821 | .136 | .152 |
| Q3 | .817 | -.123 | .113 |
| Q1 | .030 | .949 | .115 |
| Q7 | .019 | .943 | .112 |
| Q8 | .293 | .200 | .805 |
| Q2 | .254 | .238 | .782 |
| Q5 | .052 | -.025 | .676 |
| Q6 | -.022 | -.407 | .475 |
| Eigenvalue | 3.029 | 2.113 | 2.042 |
| % of variances | 30.289 | 21.126 | 20.422 |
| Cumulative of variances | 30.289 | 51.415 | 71.836 |

Table 6: Matrix of factor loads greater than 0.4 by the principal component and Varimax rotation

|  |  |  |  |
| --- | --- | --- | --- |
| Questions | Factor 1 | Factor 2 | Factor 3 |
| Q4 | .880 |  |  |
| Q9 | .871 |  |  |
| Q10 | .821 |  |  |
| Q3 | .817 |  |  |
| Q1 |  | .949 |  |
| Q7 |  | .943 |  |
| Q8 |  |  | .805 |
| Q2 |  |  | .782 |
| Q5 |  |  | .676 |
| Q6 |  |  | .475 |
| Eigenvalue | 3.029 | 2.113 | 2.042 |
| % of variances | 30.289 | 21.126 | 20.422 |
| Cumulative of variances | 30.289 | 51.415 | 71.836 |

Table 7: Extracted factors and related questions with principal component method and Varimax rotation

|  |  |
| --- | --- |
| Factors | Questions |
| 1 | 10-9-4-3 |
| 2 | 7-1 |
| 3 | 8-6-5-2 |

Table 8. Internal consistency with Cronbach's alpha

|  |  |  |
| --- | --- | --- |
| Factors | Questions | Cronbach's alpha |
| 1 | 10-9-4-3 | 0.882 |
| 2 | 7-1 | 0.975 |
| 3 | 8-6-5-2 | 0.637 |

Table 9: Correlation coefficient of each question with the total score of the questionnaire

|  |  |  |
| --- | --- | --- |
| Questions | Correlation coefficient | P.value |
| q1 | .501\*\* | <0.001 |
| q2 | .649\*\* | <0.001 |
| q3 | .603\*\* | <0.001 |
| q4 | .726\*\* | <0.001 |
| q5 | .504\*\* | <0.001 |
| q6 | .529\*\* | <0.001 |
| q7 | .492\*\* | <0.001 |
| q8 | .680\*\* | <0.001 |
| q9 | .680\*\* | <0.001 |
| q10 | .707\*\* | <0.001 |

Table 10: Correlation coefficient of each extracted factor with the total score of the questionnaire

|  |  |  |
| --- | --- | --- |
| factor | Correlation coefficient | P.value |
| f1 | .791\*\* | <0.001 |
| f2 | .503\*\* | <0.001 |
| f3 | .723\*\* | <0.001 |