**Appendix A**

**Table 13: The first step Bartlett’s test**

|  |  |  |
| --- | --- | --- |
| KMO and Bartlett's Test | | |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | 0.718 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 2179 |
| Df | 406 |
| Sig. | 0 |

**Table 14: Recognizing share of each factor in explanation of sum of variance of items in the first step**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Total Variance Explained | | | | | | |
| Component | Initial Eigenvalues | | | Rotation Sums | | |
| Total | % of Variance | Cumulative % | Total | % of Variance | Cumulative% |
| 1 | 5.805 | 20.018 | 20.018 | 3.333 | 11.493 | 11.493 |
| 2 | 3.277 | 11.301 | 31.32 | 2.613 | 9.009 | 20.501 |
| 3 | 2.653 | 9.147 | 40.467 | 2.608 | 8.994 | 29.496 |
| 4 | 2.505 | 8.637 | 49.104 | 2.6 | 8.965 | 38.461 |
| 5 | 2.105 | 7.258 | 56.362 | 2.392 | 8.247 | 46.708 |
| 6 | 1.952 | 6.732 | 63.094 | 2.171 | 7.485 | 54.193 |
| 7 | 1.632 | 5.627 | 68.721 | 2.121 | 7.313 | 61.506 |
| 8 | 1.275 | 4.396 | 73.117 | 1.966 | 6.778 | 68.284 |
| 9 | 1.198 | 4.13 | 77.247 | 1.957 | 6.75 | 75.034 |
| **10** | **0.956** | **3.296** | **80.543** | **1.598** | **5.51** | **80.543** |
| 11 | 0.724 | 2.497 | 83.04 |  |  |  |
| 12 | 0.712 | 2.455 | 85.495 |  |  |  |
| 13-29 | - | - | - |  |  |  |
| Extraction Method: Principal Component Analysis. | | | | | | |

Table 18: Second rank rotated matrix

|  |  |  |
| --- | --- | --- |
| KMO and Bartlett's Test | | |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | | 0.67 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 383.5 |
| df | 45 |
| Sig. | 0 |

**Table 17: Recognizing each factor in explaining sum of variance of the second step items**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Total Variance Explained** | | | | | | |
| Component | Initial Eigenvalues | | | Rotation Sums | | |
| **Total** | **% of Variance** | **Cumulative %** | **Total** | **% of Variance** | **Cumulative %** |
| 1 | 2.544 | 25.436 | 25.436 | 2.005 | 20.05 | 20.05 |
| 2 | 1.506 | 15.057 | 40.492 | 1.665 | 16.648 | 36.697 |
| 3 | 1.417 | 14.17 | 54.662 | 1.343 | 13.434 | 50.131 |
| 4 | 1.326 | 1.326 | 63.92 | 1.149 | 11.492 | 61.623 |
| 5 | 1.192 | 1.192 | 71.837 | 1.021 | 10.215 | 71.837 |
| 6 | 0.759 | 7.592 | 79.429 |  |  |  |
| 7-10 | - | - | - |  |  |  |
| **Extraction Method: Principal Component Analysis.** | | | | | | |

Table 18: Second rank rotated matrix

| Rotated Component Matrixa | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | Component | | | | |
| 1 | 2 | 3 | 4 | 5 |
| Absorb |  |  | .736 |  |  |
| Acquire |  |  | .442 | .436 |  |
| Conigtion |  |  | .828 |  |  |
| Keep | .697 |  | .408 |  |  |
| Reorder | .836 |  |  |  |  |
| Utelize |  | .803 |  |  |  |
| Change |  | .720 |  |  |  |
| Effort |  | .533 |  | .619 |  |
| Production |  |  |  | .964 |  |
| Intrnal |  |  |  |  | .936 |
| Extraction Method: Principal Component Analysis. | | | | | |
|  | | | | | |