*222 raw risk factors and 18 themes validated by interrater judgment*

| **No.** | **Risk factors** | **Coding** | **Risk themes and approaches** | **Percentage of agreement during interrater judgment** | **Definitions of risk themes** |
| --- | --- | --- | --- | --- | --- |
| 1 | *Unfulfillments of biological needs* | 1 | *Economic*  *motives*  *(inductive*  *approach)* | 100% | Motives of terrorism associated with economic and biological needs |
| 2 | *Financial motives* |
| 3 | *Economy motives* |
| 4 | *Poverty* |
| 5 | *Employment problems* |
| 6 | *Perceived economic discrepancies* |
| 7 | *Economic dissatisfactions* |
| 8 | *Rejection of the national law* | 2 | *Justice motives*  *(latent*  *approach)* | 100% | Motives of terrorism associated with the needs to search for justice |
| 9 | *Rejection of social rules* |
| 10 | *Rejection of regulations* |
| 11 | *Revenge* |
| 12 | *Justice motives* |
| 13 | *Unfulfillment of safety needs* | 3 | *Situational*  *motives*  *(inductive*  *approach)* | 100% | Motives of terrorism associated with the needs for safety and security |
| 14 | *Insecurity* |
| 15 | *Stress* |
| 16 | *Individual crisis leading to grievance* |
| 17 | *Criminal history* |
| 18 | *Personal vulnerability* |
| 19 | *Situational motives* |
| 20 | *Emotional instability* |
| 21 | *Personal issues (e.g. family, broken-home, education, immigration, troubled peers, delinquency, adjustments, substance abuse)* |
| 22 | *Troubled backgrounds* |
| 23 | *Subjective discrepancy between what an individual desires and gets (personal dissatisfactions)* |
| 24 | *Escaping motives (fugitivity)* |
| 25 | *Social vulnerability* | 4 | *Social motives (deductive*  *approach)* | 100% | Motives of terrorism associated with the needs of social support, sense of belonging, and social identity |
| 26 | *Solidarity* |
| 27 | *Affiliation preferences* |
| 28 | *Attribution of kindship* |
| 29 | *Self-confidence issues* |
| 30 | *Seeking for social support* |
| 31 | *Feeling marginalized* |
| 32 | *Looking for sense of belonging* |
| 33 | *Self-identity issues* |
| 34 | *Online networks* |
| 35 | *Social motives* |
| 36 | *Feeling of lonely* |
| 37 | *Unfulfillments of social needs* |
| 38 | *Looking for social identity* |
| 39 | *Power motives* | 5 | *Superiority*  *motives*  *(constructionist*  *approach)* | 100% | Motives of terrorism associated with the needs for power or reaching a higher position in a social hierarchy |
| 40 | *Influencing motives* |
| 41 | *Superiority motives* |
| 42 | *Political motives* |
| 43 | *Prestige* |
| 44 | *Needs to control others* |
| 45 | *Need of power* |
| 46 | *Unfulfillments of controlling needs* |
| 47 | *Pride* |
| 48 | *Seeking for social status* |
| 49 | *Unfulfillment of actualisation needs* | 6 | *Actualisation motives (latent approach)* | 67% | Motives of terrorism associated with the needs to give impact to others |
| 50 | *Lack of positive involvement in society* |
| 51 | *Lack of positive organisational experience* |
| 52 | *Adventurous motives* |
| 53 | *Needs to contribute* |
| 54 | *Outreaching motives* |
| 55 | *Needs for existence* |
| 56 | *Curiosity* |
| 57 | *Lack of self-actualisation* |
| 58 | *Violent-related beliefs/doctrines* | 7 | *Values/doctrines*  *(latent*  *approach)* | 100% | Thoughts, concepts, dogmas, doctrines, and ideas which are favorable to violence |
| 59 | *Low sense of spirituality* |
| 60 | *Takfiri beliefs* |
| 61 | *Intolerance to outer circle* |
| 62 | *Spiritual immaturity* |
| 63 | *Exclusiveness* |
| 64 | *Religious radicalism* |
| 65 | *Radical peers/networks* |
| 66 | *Rigid personality* |
| 67 | *Lack of personal introspection* |
| 68 | *Violence-dominated interpretations of sacred texts* |
| 69 | *Narrow-mindedness* |
| 70 | *Rejecting outer circle* |
| 71 | *Undermining bloodshed* |
| 72 | *Al wala’ wal bara’* |
| 73 | *Rejection of ethics/norms/laws* |
| 74 | *Non-citizenship behaviour* |
| 75 | *Rigid thinking* |
| 76 | *Black-and-white way of thinking* |
| 77 | *Violent extreme interpretation of sacred texts* |
| 78 | *Tauhid hakimiyyah* |
| 79 | *Tendency to choose the most harsh religious practices* |
| 80 | *Anti-establishment* |
| 81 | *Anti-coexistence* |
| 82 | *Non-cooperativeness to outer circle* | 8 | *Violent*  *ideology-driven attitudes*  *(latent*  *approach)* | 100% | Attitudes toward outer social group, driven by thoughts, concepts, dogmas, doctrines, and ideas which are favorable to violence |
| 83 | *Aggressions* |
| 84 | *Rejection of contacts/visits from outer circle* |
| 85 | *Rejection of favors from outer circle* |
| 86 | *Selective kindness (only to inner circle)* |
| 87 | *Anti-social attitudes* |
| 88 | *Hatred towards outer circle* |
| 89 | *Purpose of life* | 9 | *Beliefs about objectives*  *(latent*  *approach)* | 67% | Goals or targets in life driven by thoughts, concepts, dogmas, doctrines, and ideas favorable to violence |
| 90 | *Ultimate goals* |
| 91 | *Violence-related visions* |
| 92 | *Destructive plans* |
| 93 | *Violence-related missions* |
| 94 | *Instrumental goals* |
| 95 | *Targeted victims/perceived enemies* |
| 96 | *Targeted media/equipments* |
| 97 | *Targeted modus operandi/means* |
| 98 | *Violence-related deadlines* |
| 99 | *Planned actions* |
| 100 | *Roles in terrorism* | 10 | *Layers in*  *ideological groups*  *(inductive*  *approach)* | 100% | Positions in violent ideological groups which describe roles, status, involvement, grades, layers, levels, tasks, and ranks |
| 101 | *Duties in ideological groups* |
| 102 | *Ranks/grades in ideological groups* |
| 103 | *Positions in ideological groups* |
| 104 | *Outreach in terrorism networks* |
| 105 | *Involvement in criminal offense* |
| 106 | *Reputation in ideological groups* |
| 107 | *Involvement in local or global conflicts* |
| 108 | *Involvement in military training* |
| 109 | *Status in terrorism networks* |
| 110 | *Involvement in terrorism networks* |
| 111 | *Levels of seniority in terrorism groups* |
| 112 | *Devotion to terrorism leaders* | 11 | *Militancy*  *(inductive*  *approach)* | 67% | Resistance to alter thoughts, concepts, dogmas, doctrines, and ideas which are favorable to violence |
| 113 | *Commitment to an ideological affiliation* |
| 114 | *Blunt obedience* |
| 115 | *Loyalty to higher figure(s) in terrorism networks* |
| 116 | *Violence-related risk-taking* |
| 117 | *Resistance to positive changes* |
| 118 | *Anti-dialogue* |
| 119 | *Anti-negotiation* |
| 120 | *Rejection of positive opportunities* |
| 121 | *Limited understandings of religious concepts/teachings* | 12 | *Understandings on philosophy and contexts*  *(latent*  *approach)* | 100% | The lack of understandings of religious philosophy and its implementation in various contexts |
| 122 | *Lack of knowledge about various contexts (time and place) of religious practices* |
| 123 | *Lack of knowledge about local wisdom* |
| 124 | *Lack of knowledge about the philosophy of Islam as a peaceful deen* |
| 125 | *Lack of knowledge about the spirit of national consensuses of Indonesia* |
| 126 | *Lack of understanding about Pancasila, UUD 1945, NKRI, and Bhinneka Tunggal Ika, the national consesnsus* |
| 127 | *Lack of knowledge about Indonesian history* |
| 128 | *Lack of knowledge about anthropology of religions in the world* |
| 129 | *Lack of knowledge about Islamic history (tarikh islam) and anthropology* |
| 130 | *Limited religious literacy* |
| 131 | *Misappropriate interpretations of sacred texts* |
| 132 | *Lacks ability in conceptual/abstract thinking regarding philosophies of religious values* |
| 133 | *Lacks ability in critical thinking* |
| 134 | *Lacks ability in accepting critiques and feedback* |
| 135 | *Lacks ability in performing cost-benefit analysis in making decisions* |
| 136 | *Data gathering* | 13 | *Intelligence skills (inductive approach)* | 100% | Skills to acquire, collect, manage, store, retrieve, combine, compare, distribute, build, and use information including complex data, which can be used to manage a terrorism activity |
| 137 | *Data processing* |
| 138 | *Data-analysis skill* |
| 139 | *Data-interpretation skill* |
| 140 | *Big Data management* |
| 141 | *Disinformation* |
| 142 | *Spying skill* |
| 143 | *Intelligence skills* |
| 144 | *Conditioning skill* |
| 145 | *Decision making* |
| 146 | *Problem solving* |
| 147 | *Counter-deradicalisation* |
| 148 | *Counterintelligence* |
| 149 | *Surveillance skills* |
| 150 | *Language skills* | 14 | *Language skills (inductive*  *approach)* | 100% | Skills of listening, reading, speaking, and writing in multiple languages, which can be used to manage a terrorism activity |
| 151 | *Literacy* |
| 152 | *Translating* |
| 153 | *Journalistic* |
| 154 | *Listening* |
| 155 | *Speaking* |
| 156 | *Writing* |
| 157 | *Reading* |
| 158 | *Public speaking* |
| 159 | *Information Technology (IT)* | 15 | *Information Communication and Technology (ICT) skills*  *(inductive*  *approach)* | 100% | Skills in using and creating Information and Communication Technology, such as computers, programs, cyberspace, Information Technology (IT) and Dark Web, which can be used to manage a terrorism activity |
| 160 | *Social engineering* |
| 161 | *Computer programming* |
| 162 | *Coding and decoding* |
| 163 | *Digital forensic* |
| 164 | *Cyber defense and security* |
| 165 | *Big Data development* |
| 166 | *ICT security-analysis* |
| 167 | *Cryptography* |
| 168 | *Crypto analysis* |
| 169 | *Cyber-virus making* |
| 170 | *Steganography and watermarking* |
| 171 | *Web development* |
| 172 | *Cyber-attack/hacking* |
| 173 | *Drone-making* |
| 174 | *Physical toughness* | 16 | *Military skills*  *(inductive*  *approach)* | 100% | Skills operated in physical fighting, battlefield, warfare, and conflicts, which can be used to manage a terrorism activity |
| 175 | *Tadrib* |
| 176 | *Idad* |
| 177 | *Military skill* |
| 178 | *Field engineering* |
| 179 | *Defense* |
| 180 | *Martial arts* |
| 181 | *Battlefield* |
| 182 | *War tactics,* |
| 183 | *Psychological warfare* |
| 184 | *(weapon) shooting* |
| 185 | *Chemical biological radioactive nuclear and explosive (CBRNE)* |
| 186 | *Bombs designing* |
| 187 | *Survival (CERE)* |
| 188 | *War strategies* |
| 189 | *Weapon technology* |
| 190 | *Guerilla* |
| 191 | *Disabling security* |
| 192 | *Trap making (e.g. Booby trap)* |
| 193 | *Military training* |
| 194 | *Controlling* | 17 | *Social domination skill (latent approach)* | 100% | Skills of influencing others, such as persuading, negotiating, recruiting, mobilizing, leading, manipulating, controlling, and financing people, which can be used to manage a terrorism activity |
| 195 | *Financing* |
| 196 | *Propagandising* |
| 197 | *Social networking* |
| 198 | *Organising people* |
| 199 | *Mobilising people* |
| 200 | *Recruiting* |
| 201 | *Managing people* |
| 202 | *Understanding people* |
| 203 | *Persuading* |
| 204 | *Coordinating* |
| 205 | *Dominating people* |
| 206 | *Spotting skill* |
| 207 | *Manipulating* |
| 208 | *Brainwashing* |
| 209 | *Guiding* |
| 210 | *Micro expressions skill* |
| 211 | *Leading skill* |
| 212 | *Directing people* |
| 213 | *Aeromechanical skill* | 18 | *M & E (Mechanical and Electrical) skills (inductive*  *approach)* | 100% | Skills of using and creating technical, mechanical, and electrical equipment, which can be used for managing a terrorism activity |
| 214 | *Weapon/gun-assembling skill* |
| 215 | *Auto-mechanical skill* |
| 216 | *Aerodynamic skill* |
| 217 | *Mechatronic skill* |
| 218 | *Technical skill* |
| 219 | *Electromechanical skill* |
| 220 | *Mechanical and electrical skill* |
| 221 | *Drone-assembling skill* |
| 222 | *Bomb-crafting skill* |