

## DAFTAR GAMBAR

|                                                                                         |    |
|-----------------------------------------------------------------------------------------|----|
| Gambar II-1 Hasil PRISMA dari covidence .....                                           | 15 |
| Gambar II-2 Fitur orbit satelit .....                                                   | 20 |
| Gambar II-3 Fitur anomali satelit .....                                                 | 21 |
| Gambar II-4 Fitur partikel flux .....                                                   | 21 |
| Gambar II-5 Fitur space weather parameter .....                                         | 22 |
| Gambar II-6 Fitur geomagnetic index .....                                               | 23 |
| Gambar II-7 Space environment .....                                                     | 26 |
| Gambar III-1 Phases of iterative incremental model .....                                | 47 |
| Gambar III-2 Sistematika penyelesaian masalah dengan metode iterative incremental ..... | 50 |
| Gambar IV-1 Proses bisnis eksisting - SIAS .....                                        | 60 |
| Gambar IV-2 Proses bisnis targeting - SIAS .....                                        | 61 |
| Gambar IV-3 Use case diagram – SIAS (iterasi 1) .....                                   | 64 |
| Gambar IV-4 Activity diagram – fitur tren anomali .....                                 | 69 |
| Gambar IV-5 Activity diagram – fitur parameter cuaca .....                              | 70 |
| Gambar IV-6 Activity diagram – fitur kontur peta panas .....                            | 71 |
| Gambar IV-7 Sequence diagram – fitur tren anomali .....                                 | 72 |
| Gambar IV-8 Sequence diagram – fitur parameter cuaca .....                              | 73 |
| Gambar IV-9 Sequence diagram – fitur kontur peta panas .....                            | 74 |
| Gambar IV-10 Class diagram - SIAS .....                                                 | 75 |
| Gambar IV-11 Visualisasi fitur homepage .....                                           | 77 |
| Gambar IV-12 Visualisasi fitur orbit satelit .....                                      | 79 |
| Gambar IV-13 Visualisasi fitur satellite based - python .....                           | 79 |
| Gambar IV-14 Visualisasi fitur time based - grafik .....                                | 80 |
| Gambar IV-15 Visualisasi fitur time based - tabel .....                                 | 81 |
| Gambar IV-16 Visualisasi fitur weather parameter - grafik .....                         | 82 |
| Gambar IV-17 Visualisasi fitur weather paramter - tabel .....                           | 83 |
| Gambar V-1 <i>Usability</i> testing - orbit satelit .....                               | 85 |
| Gambar V-2 <i>Usability</i> testing - tren anomali .....                                | 85 |

|                                                                     |     |
|---------------------------------------------------------------------|-----|
| Gambar V-3 <i>Usability</i> testing - parameter cuaca.....          | 86  |
| Gambar V-4 System <i>usability</i> scale (SUS) – iterasi 1.....     | 87  |
| Gambar V-5 Use case diagram - SIAS (iterasi 2).....                 | 93  |
| Gambar V-6 Activity diagram - fitur anomali satelit.....            | 100 |
| Gambar V-7 Activity diagram - fitur orbit satelit (heatmap).....    | 101 |
| Gambar V-8 Activity diagram - ekspor data.....                      | 102 |
| Gambar V-9 Sequence diagram - fitur anomali satelit .....           | 104 |
| Gambar V-10 Sequence diagram - fitur orbit satelit (heatmap).....   | 105 |
| Gambar V-11 Sequence diagram - fitur ekspor data tren anomali ..... | 107 |
| Gambar V-12 Sequence diagram - fitur ekspor parameter cuaca.....    | 108 |
| Gambar V-13 Class diagram - SIAS (iterasi 2) .....                  | 110 |
| Gambar V-14 Visualisasi fitur anomali satelit.....                  | 112 |
| Gambar V-15 Visualisasi fitur orbit satelit (heatmap).....          | 114 |
| Gambar V-16 Visualisasi fitur ekspor data - grafik.....             | 116 |
| Gambar V-17 Visualisasi fitur ekspor data - tabel.....              | 117 |
| Gambar V-18 System <i>usability</i> scale (SUS) – iterasi 2.....    | 119 |
| Gambar V-19 Perbandingan hasil pengujian SUS.....                   | 121 |