# LAMPIRAN-LAMPIRAN

# Lampiran . Data Packing Material yang Sering Digunakan pada Bulan Juni 2018 sampai Juni 2019.

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| **DATA STOK AWAl BARANG** |
| Data ke- | Nama | Sat | Juni 2018 | Juli 2018 | Agt 2018 | Sep 2018 | Okt 2018 | Nov 2018 | Des 2018 | Januari 2019 | Feb 2019 | Maret 2019 | April 2019 | Mei 2019 | Juni 2019 |
| 16 | A | PC | - | 180.000 | 291.000 | 843.000 | 1.029.000 | 699.000 | 621.000 | 894.000 | 624.000 | 394.000 | 838.000 | 574.000 | 883.000 |
| 63 | B | PC | 240.512 | 567.232 | 733.424 | 580.208 | 542.912 | 373.568 | 225.392 | 327.200 | 602.384 | 602.384 | 600.368 | 348.368 | 574.968 |
| 64 | C | PC | 201.600 | 599.040 | 445.120 | 22.720 | - | 334.080 | 26.880 | 424.320 | 137.280 | 99.750 | 251.520 | 155.520 | 186.240 |
| 68 | D | PC | 93.104 | 227.692 | 211.644 | 72.864 | - | 396.568 | 478.888 | 179.124 | 341.880 | 508.080 | 367.192 | 230.220 | 608.580 |
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| **DATA PENGADAAN BARANG** |
| Data ke- | Nama | Sat | Juni 2018 | Juli 2018 | Agt 2018 | Sep 2018 | Okt 2018 | Nov 2018 | Des 2018 | Januari 2019 | Feb 2019 | Maret 2019 | April 2019 | Mei 2019 | Juni 2019 |
| 16 | A | PC | 600.000 | 717.000 | 1.194.000 | 444.000 | - | 162.000 | 585.000 | - | - | 726.000 | - | 720.000 | - |
| 63 | B | PC | 729.920 | 780.064 | 426.384 | 643.104 | 561.456 | 406.224 | 530.208 | 703.584 | 252.000 | 476.784 | 126.000 | 781.200 | 77.616 |
| 64 | C | PC | 781.440 | 326.080 | 153.600 | 270.720 | 572.250 | 124.800 | 685.440 | 144.960 | 205.440 | 499.200 | - | 300.240 | 215.100 |
| 68 | D | PC | 695.236 | 795.576 | 748.128 | 732.688 | 1.550.456 | 1.224.320 | 532.312 | 1.183.176 | 804.240 | 655.912 | 532.140 | 1.318.100 | 166.600 |
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| **DATA BARANG YANG DIMINTA** |
| Data ke- | Nama | Sat | Juni 2018 | Juli 2018 | Agt 2018 | Sep 2018 | Okt 2018 | Nov 2018 | Des 2018 | Januari 2019 | Feb 2019 | Maret 2019 | April 2019 | Mei 2019 | Juni 2019 |
| 16 | A | PC | 800.000 | 800.000 | 800.000 | 800.000 | 800.000 | 800.000 | 800.000 | 400.000 | 399.000 | 400.000 | 400.000 | 400.000 | 100.000 |
| 63 | B | PC | 800.000 | 800.000 | 800.000 | 1.000.000 | 1.000.000 | 700.000 | 700.000 | 800.000 | 799.344 | 800.000 | 800.000 | 500.000 | 500.000 |
| 64 | C | PC | 700.000 | 700.000 | 800.000 | 850.000 | 850.000 | 650.000 | 650.000 | 800.000 | 799.680 | 800.000 | 800.000 | 500.000 | 500.000 |
| 68 | D | PC | 450.000 | 450.000 | 950.000 | 1.200.000 | 1.000.000 | 1.000.000 | 1.500.940 | 1.500.000 | 1.499.784 | 1.500.000 | 1.500.000 | 1.300.000 | 1.300.000 |
|  |
| **DATA BARANG YANG DIKELUARKAN** |
| Data ke- | Nama | Sat | Juni 2018 | Juli 2018 | Agt 2018 | Sep 2018 | Okt 2018 | Nov 2018 | Des 2018 | Januari 2019 | Feb 2019 | Maret 2019 | April 2019 | Mei 2019 | Juni 2019 |
| 16 | A | PC | 420.000 | 606.000 | 642.000 | 258.000 | 330.000 | 240.000 | 312.000 | 270.000 | 230.000 | 282.000 | 264.000 | 411.000 | 249.000 |
| 63 | B | PC | 403.200 | 613.872 | 579.600 | 680.400 | 730.800 | 554.400 | 428.400 | 428.400 | 252.000 | 478.800 | 378.000 | 554.600 | 504.000 |
| 64 | C | PC | 384.000 | 480.000 | 576.000 | 293.440 | 238.170 | 432.000 | 288.000 | 432.000 | 242.970 | 347.430 | 96.000 | 269.520 | 135.720 |
| 68 | D | PC | 560.648 | 811.624 | 886.908 | 805.552 | 1.153.888 | 1.142.000 | 832.076 | 1.020.420 | 638.040 | 796.800 | 669.112 | 939.740 | 490.800 |

# Lampiran . Perbedaan Persediaan Real dan FIS Mamdani

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## Data Persediaan Barang A

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| --- | --- | --- | --- | --- | --- |
| Bulan | Stok Awal | Pengeluaran | Standard Stok | **Real** | **FIS Mamdani** |
| Pengadaan  | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo | Pengadaan  | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo |
| Juni 2018 | - | 420.000 | 210.000 | 600.000 | 600.000 | 43% | 180.000 | 57% | 688.000 | 688.000 | 64% | 268.000 | 36% |
| Juli 2018 | 180.000 | 606.000 | 303.000 | 717.000 | 897.000 | 48% | 291.000 | 52% | 730.000 | 910.000 | 50% | 304.000 | 50% |
| Agt 2018 | 291.000 | 642.000 | 321.000 | 1.194.000 | 1.485.000 | 131% | 843.000 | -31% | 689.000 | 980.000 | 53% | 338.000 | 47% |
| Sep 2018 | 843.000 | 258.000 | 129.000 | 444.000 | 1.287.000 | 399% | 1.029.000 | -299% | - | 843.000 | 227% | 585.000 | -127% |
| Okt 2018 | 1.029.000 | 330.000 | 165.000 | - | 1.029.000 | 212% | 699.000 | -112% | - | 1.029.000 | 212% | 699.000 | -112% |
| Nov 2018 | 699.000 | 240.000 | 120.000 | 162.000 | 861.000 | 259% | 621.000 | -159% | - | 699.000 | 191% | 459.000 | -91% |
| Des 2018 | 621.000 | 312.000 | 156.000 | 585.000 | 1.206.000 | 287% | 894.000 | -187% | - | 621.000 | 99% | 309.000 | 1% |
| Jan 2019 | 894.000 | 270.000 | 135.000 | - | 894.000 | 231% | 624.000 | -131% | - | 894.000 | 231% | 624.000 | -131% |
| Feb 2019 | 624.000 | 230.000 | 115.000 | - | 624.000 | 171% | 394.000 | -71% | - | 624.000 | 171% | 394.000 | -71% |
| Mar 2019 | 394.000 | 282.000 | 141.000 | 726.000 | 1.120.000 | 297% | 838.000 | -197% | 44.900 | 438.900 | 56% | 156.900 | 44% |
| Apr 2019 | 838.000 | 264.000 | 132.000 | - | 838.000 | 217% | 574.000 | -117% | - | 838.000 | 217% | 574.000 | -117% |
| Mei 2019 | 574.000 | 411.000 | 205.500 | 720.000 | 1.294.000 | 215% | 883.000 | -115% | 68.000 | 642.000 | 56% | 231.000 | 44% |
| Juni 2019 | 883.000 | 249.000 | 124.500 | - | 883.000 | 255% | 634.000 | -155% | - | 883.000 | 255% | 634.000 | -155% |
|  |
| **Ket** | **50%>x>100%** | Persentase Persediaan Optimal |
|  | **x<50%** | Persentase Persediaan Dibawah Batas Optimal |
|  | **x>100%** | Persentase Persediaan Diatas Batas Optimal |
|  | **0%<x<50%** | Persentase Saldo Optimal |

## Data Persediaan Barang B

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| --- | --- | --- | --- | --- | --- |
| Bulan | Stok Awal | Pengeluaran | Standard Stok | **Real** | **FIS Mamdani** |
| Pengadaan | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo | Pengadaan | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo |
| Juni 2018 | 240.512 | 403.200 | 201.600 | 729.920 | 970.432 | 141% | 567.232 | -41% | 481.000 | 721.512 | 79% | 318.312 | 21% |
| Juli 2018 | 567.232 | 613.872 | 306.936 | 780.064 | 1.347.296 | 119% | 733.424 | -19% | 497.000 | 1.064.232 | 73% | 450.360 | 27% |
| Agt 2018 | 733.424 | 579.600 | 289.800 | 426.384 | 1.159.808 | 100% | 580.208 | 0% | 374.000 | 1.107.424 | 91% | 527.824 | 9% |
| Sep 2018 | 580.208 | 680.400 | 340.200 | 643.104 | 1.223.312 | 80% | 542.912 | 20% | 457.000 | 1.037.208 | 52% | 356.808 | 48% |
| Okt 2018 | 542.912 | 730.800 | 365.400 | 561.456 | 1.104.368 | 51% | 373.568 | 49% | 582.000 | 1.124.912 | 54% | 394.112 | 46% |
| Nov 2018 | 373.568 | 554.400 | 277.200 | 406.224 | 779.792 | 41% | 225.392 | 59% | 586.000 | 959.568 | 73% | 405.168 | 27% |
| Des 2018 | 225.392 | 428.400 | 214.200 | 530.208 | 755.600 | 76% | 327.200 | 24% | 495.000 | 720.392 | 68% | 291.992 | 32% |
| Jan 2019 | 327.200 | 428.400 | 214.200 | 703.584 | 1.030.784 | 141% | 602.384 | -41% | 314.000 | 641.200 | 50% | 212.800 | 50% |
| Feb 2019 | 602.384 | 252.000 | 126.000 | 252.000 | 854.384 | 239% | 602.384 | -139% | 111.000 | 713.384 | 183% | 461.384 | -83% |
| Mar 2019 | 602.384 | 478.800 | 239.400 | 476.784 | 1.079.168 | 125% | 600.368 | -25% | 332.000 | 934.384 | 95% | 455.584 | 5% |
| Apr 2019 | 600.368 | 378.000 | 189.000 | 126.000 | 726.368 | 92% | 348.368 | 8% | 106.000 | 706.368 | 87% | 328.368 | 13% |
| Mei 2019 | 348.368 | 554.600 | 277.300 | 781.200 | 1.129.568 | 104% | 574.968 | -4% | 586.000 | 934.368 | 68% | 379.768 | 32% |
| Juni 2019 | 574.968 | 504.000 | 252.000 | 77.616 | 652.584 | 29% | 148.584 | 71% | 425.000 | 999.968 | 98% | 495.968 | 2% |
|  |
| **Ket** | **50%>x>100%** | Persentase Persediaan Optimal |
|  | **x<50%** | Persentase Persediaan Dibawah Batas Optimal |
|  | **x>100%** | Persentase Persediaan Diatas Batas Optimal |
|  | **0%<x<50%** | Persentase Saldo Optimal |

## Data Persediaan Barang C

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| --- | --- | --- | --- | --- | --- |
| Bulan | Stok Awal | Pengeluaran | Standard Stok | **Real** | **FIS Mamdani** |
| Pengadaan | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo | Pengadaan | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo |
| Juni 2018 | 201.600 | 384.000 | 192.000 | 781.440 | 983.040 | 156% | 599.040 | -56% | 432.000 | 633.600 | 65% | 249.600 | 35% |
| Juli 2018 | 599.040 | 480.000 | 240.000 | 326.080 | 925.120 | 93% | 445.120 | 7% | 240.000 | 839.040 | 75% | 359.040 | 25% |
| Agt 2018 | 445.120 | 576.000 | 288.000 | 153.600 | 598.720 | 4% | 22.720 | 96% | 500.000 | 945.120 | 64% | 369.120 | 36% |
| Sep 2018 | 22.720 | 293.440 | 146.720 | 270.720 | 293.440 | 0% | - | 100% | 434.000 | 456.720 | 56% | 163.280 | 44% |
| Okt 2018 | - | 238.170 | 119.085 | 572.250 | 572.250 | 140% | 334.080 | -40% | 437.000 | 437.000 | 83% | 198.830 | 17% |
| Nov 2018 | 334.080 | 432.000 | 216.000 | 124.800 | 458.880 | 6% | 26.880 | 94% | 434.000 | 768.080 | 78% | 336.080 | 22% |
| Des 2018 | 26.880 | 288.000 | 144.000 | 685.440 | 712.320 | 147% | 424.320 | -47% | 435.000 | 461.880 | 60% | 173.880 | 40% |
| Jan 2019 | 424.320 | 432.000 | 216.000 | 144.960 | 569.280 | 32% | 137.280 | 68% | 240.000 | 664.320 | 54% | 232.320 | 46% |
| Feb 2019 | 137.280 | 242.970 | 121.485 | 205.440 | 342.720 | 41% | 99.750 | 59% | 338.000 | 475.280 | 96% | 232.310 | 4% |
| Mar 2019 | 99.750 | 347.430 | 173.715 | 499.200 | 598.950 | 72% | 251.520 | 28% | 432.000 | 531.750 | 53% | 184.320 | 47% |
| Apr 2019 | 251.520 | 96.000 | 48.000 | - | 251.520 | 162% | 155.520 | -62% | 55.600 | 307.120 | 220% | 211.120 | -120% |
| Mei 2019 | 155.520 | 269.520 | 134.760 | 300.240 | 455.760 | 69% | 186.240 | 31% | 265.000 | 420.520 | 56% | 151.000 | 44% |
| Juni 2019 | 186.240 | 135.720 | 67.860 | 215.100 | 401.340 | 196% | 265.620 | -96% | 65.800 | 252.040 | 86% | 116.320 | 14% |
|  |
| **Ket** | **50%>x>100%** | Persentase Persediaan Optimal |
|  | **x<50%** | Persentase Persediaan Dibawah Batas Optimal |
|  | **x>100%** | Persentase Persediaan Diatas Batas Optimal |
|  | **0%<x<50%** | Persentase Saldo Optimal |

## Persediaan Barang D

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bulan | Stok Awal | Pengeluaran | Standard Stok | **Real** | **FIS Mamdani** |
| Pengadaan | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo | Pengadaan | Persediaan | Persentase Persediaan | Saldo | Persentase Saldo |
| Juni 2018 | 93.104 | 560.648 | 280.324 | 695.236 | 788.340 | 41% | 227.692 | 59% | 932.000 | 1.025.104 | 83% | 464.456 | 17% |
| Juli 2018 | 227.692 | 811.624 | 405.812 | 795.576 | 1.023.268 | 26% | 211.644 | 74% | 1.380.000 | 1.607.692 | 98% | 796.068 | 2% |
| Agt 2018 | 211.644 | 886.908 | 443.454 | 748.128 | 959.772 | 8% | 72.864 | 92% | 1.400.000 | 1.611.644 | 82% | 724.736 | 18% |
| Sep 2018 | 72.864 | 805.552 | 402.776 | 732.688 | 805.552 | 0% | - | 100% | 1.380.000 | 1.452.864 | 80% | 647.312 | 20% |
| Okt 2018 | - | 1.153.888 | 576.944 | 1.550.456 | 1.550.456 | 34% | 396.568 | 66% | 1.750.000 | 1.750.000 | 52% | 596.112 | 48% |
| Nov 2018 | 396.568 | 1.142.000 | 571.000 | 1.224.320 | 1.620.888 | 42% | 478.888 | 58% | 1.370.000 | 1.766.568 | 55% | 624.568 | 45% |
| Des 2018 | 478.888 | 832.076 | 416.038 | 532.312 | 1.011.200 | 22% | 179.124 | 78% | 786.000 | 1.264.888 | 52% | 432.812 | 48% |
| Jan 2019 | 179.124 | 1.020.420 | 510.210 | 1.183.176 | 1.362.300 | 34% | 341.880 | 66% | 1.400.000 | 1.579.124 | 55% | 558.704 | 45% |
| Feb 2019 | 341.880 | 638.040 | 319.020 | 804.240 | 1.146.120 | 80% | 508.080 | 20% | 712.000 | 1.053.880 | 65% | 415.840 | 35% |
| Mar 2019 | 508.080 | 796.800 | 398.400 | 655.912 | 1.163.992 | 46% | 367.192 | 54% | 709.000 | 1.217.080 | 53% | 420.280 | 47% |
| Apr 2019 | 367.192 | 669.112 | 334.556 | 532.140 | 899.332 | 34% | 230.220 | 66% | 716.000 | 1.083.192 | 62% | 414.080 | 38% |
| Mei 2019 | 230.220 | 939.740 | 469.870 | 1.318.100 | 1.548.320 | 65% | 608.580 | 35% | 1.400.000 | 1.630.220 | 73% | 690.480 | 27% |
| Juni 2019 | 608.580 | 490.800 | 245.400 | 166.600 | 775.180 | 58% | 284.380 | 42% | 213.000 | 821.580 | 67% | 330.780 | 33% |
|  |
| **Ket** | **50%>x>100%** | Persentase Persediaan Optimal |
|  | **x<50%** | Persentase Persediaan Dibawah Batas Optimal |
|  | **x>100%** | Persentase Persediaan Diatas Batas Optimal |
|  | **0%<x<50%** | Persentase Saldo Optimal |