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## LAMPIRAN

| <b>METODE MOVING AVERAGE (5)</b> |            |             |            |
|----------------------------------|------------|-------------|------------|
| Periode                          | KUR (Xt)   | MA (5) (st) | error      |
| 1                                | 1902000000 |             |            |
| 2                                | 3494000000 |             |            |
| 3                                | 3949000000 |             |            |
| 4                                | 2000000000 |             |            |
| 5                                | 3300000000 |             |            |
| 6                                | 7720000000 | 1975000000  | 1203000000 |
| 7                                | 1857000000 | 1749000000  | 1080000000 |
| 8                                | 1825000000 | 1421600000  | 403400000  |
| 9                                | 3358000000 | 996800000   | 2361200000 |
| 10                               | 3831000000 | 1628400000  | 2202600000 |
| 11                               | 7550000000 | 2328600000  | 5221400000 |
| 12                               | 6364000000 | 3684200000  | 2679800000 |
| 13                               | 1952000000 | 4585600000  | 2633600000 |
| 14                               | 2915000000 | 4611000000  | 1696000000 |
| 15                               | 3217000000 | 4522400000  | 1305400000 |
| 16                               | 2146000000 | 4399600000  | 2253600000 |
| 17                               | 2451000000 | 3318800000  | 867800000  |
| 18                               | 2810000000 | 2536200000  | 273800000  |
| 19                               | 2393000000 | 2707800000  | 314800000  |
| 20                               | 4070000000 | 2603400000  | 1466600000 |
| 21                               | 5937000000 | 2774000000  | 3163000000 |
| 22                               | 5112000000 | 3532200000  | 1579800000 |
| 23                               | 4988000000 | 4064400000  | 923600000  |
| 24                               | 3714000000 | 4500000000  | 786000000  |
| 25                               | 2443000000 | 4764200000  | 2321200000 |
| 26                               | 5239000000 | 4438800000  | 800200000  |
| 27                               | 6202000000 | 4299200000  | 1902800000 |
| 28                               | 3606000000 | 4517200000  | 911200000  |
| 29                               | 3357000000 | 4240800000  | 883800000  |
| 30                               | 3421000000 | 4169400000  | 748400000  |
| 31                               | 3766000000 | 4365000000  | 599000000  |

|    |            |            |            |
|----|------------|------------|------------|
| 32 | 3442000000 | 4070400000 | 628400000  |
| 33 | 3230000000 | 3518400000 | 288400000  |
| 34 | 4910000000 | 3443200000 | 1466800000 |
| 35 | 7492000000 | 3753800000 | 3738200000 |
| 36 | 5146000000 | 4568000000 | 578000000  |
| 37 |            | 4844000000 |            |
|    |            |            | 1493864516 |

| <b>METODE MOVING AVERAGE (6)</b> |                       |            |            |
|----------------------------------|-----------------------|------------|------------|
| Periode                          | KUR (X <sub>t</sub> ) | MA (6)     | error      |
| 1                                | 1902000000            |            |            |
| 2                                | 3494000000            |            |            |
| 3                                | 3949000000            |            |            |
| 4                                | 200000000             |            |            |
| 5                                | 330000000             |            |            |
| 6                                | 772000000             |            |            |
| 7                                | 1857000000            | 1774500000 | 82500000   |
| 8                                | 1825000000            | 1767000000 | 58000000   |
| 9                                | 3358000000            | 1488833333 | 1869166667 |
| 10                               | 3831000000            | 1390333333 | 2440666667 |
| 11                               | 7550000000            | 1995500000 | 5554500000 |
| 12                               | 6364000000            | 3198833333 | 3165166667 |
| 13                               | 1952000000            | 4130833333 | 2178833333 |
| 14                               | 2915000000            | 4146666667 | 1231666667 |
| 15                               | 3217000000            | 4328333333 | 1111333333 |
| 16                               | 2146000000            | 4304833333 | 2158833333 |
| 17                               | 2451000000            | 4024000000 | 1573000000 |
| 18                               | 2810000000            | 3174166667 | 364166667  |
| 19                               | 2393000000            | 2581833333 | 188833333  |
| 20                               | 4070000000            | 2655333333 | 1414666667 |

|    |            |            |            |
|----|------------|------------|------------|
| 21 | 5937000000 | 2847833333 | 3089166667 |
| 22 | 5112000000 | 3301166667 | 1810833333 |
| 23 | 4988000000 | 3795500000 | 1192500000 |
| 24 | 3714000000 | 4218333333 | 504333333  |
| 25 | 2443000000 | 4369000000 | 1926000000 |
| 26 | 5239000000 | 4377333333 | 861666667  |
| 27 | 6202000000 | 4572166667 | 1629833333 |
| 28 | 3606000000 | 4616333333 | 1010333333 |
| 29 | 3357000000 | 4365333333 | 1008333333 |
| 30 | 3421000000 | 4093500000 | 672500000  |
| 31 | 3766000000 | 4044666667 | 278666667  |
| 32 | 3442000000 | 4265166667 | 823166667  |
| 33 | 3230000000 | 3965666667 | 735666667  |
| 34 | 4910000000 | 3470333333 | 1439666667 |
| 35 | 7492000000 | 3687666667 | 3804333333 |
| 36 | 5146000000 | 4376833333 | 769166667  |
| 37 |            | 4664333333 |            |
|    |            |            | 1498250000 |

| METODE SINGLE EXPONENSIAL SMOOTHING<br>(0.2) |            |            |             |
|----------------------------------------------|------------|------------|-------------|
| Periode                                      | KUR (Xt)   | st         | error       |
| 1                                            | 1902000000 | 1902000000 | 0           |
| 2                                            | 3494000000 | 2220400000 | 1273600000  |
| 3                                            | 3949000000 | 2566120000 | 1382880000  |
| 4                                            | 2000000000 | 2092896000 | 1892896000  |
| 5                                            | 3300000000 | 1740316800 | 1410316800  |
| 6                                            | 7720000000 | 1546653440 | 774653440   |
| 7                                            | 1857000000 | 1608722752 | 248277248   |
| 8                                            | 1825000000 | 1651978202 | 173021798.4 |

|    |            |            |             |
|----|------------|------------|-------------|
| 9  | 3358000000 | 1993182561 | 1364817439  |
| 10 | 3831000000 | 2360746049 | 1470253951  |
| 11 | 7550000000 | 3398596839 | 4151403161  |
| 12 | 6364000000 | 3991677471 | 2372322529  |
| 13 | 1952000000 | 3583741977 | 1631741977  |
| 14 | 2915000000 | 3449993582 | 534993581.7 |
| 15 | 3217000000 | 3403394865 | 186394865.3 |
| 16 | 2146000000 | 3151915892 | 1005915892  |
| 17 | 2451000000 | 3011732714 | 560732713.8 |
| 18 | 2810000000 | 2971386171 | 161386171.1 |
| 19 | 2393000000 | 2855708937 | 462708936.8 |
| 20 | 4070000000 | 3098567149 | 971432850.5 |
| 21 | 5937000000 | 3666253720 | 2270746280  |
| 22 | 5112000000 | 3955402976 | 1156597024  |
| 23 | 4988000000 | 4161922381 | 826077619.5 |
| 24 | 3714000000 | 4072337904 | 358337904.4 |
| 25 | 2443000000 | 3746470324 | 1303470324  |
| 26 | 5239000000 | 4044976259 | 1194023741  |
| 27 | 6202000000 | 4476381007 | 1725618993  |
| 28 | 3606000000 | 4302304806 | 696304805.7 |
| 29 | 3357000000 | 4113243845 | 756243844.5 |
| 30 | 3421000000 | 3974795076 | 553795075.6 |
| 31 | 3766000000 | 3933036060 | 167036060.5 |
| 32 | 3442000000 | 3834828848 | 392828848.4 |
| 33 | 3230000000 | 3713863079 | 483863078.7 |
| 34 | 4910000000 | 3953090463 | 956909537   |
| 35 | 7492000000 | 4660872370 | 2831127630  |
| 36 | 5146000000 | 4757897896 | 388102103.7 |
| 37 |            |            |             |
|    |            |            | 1058078673  |

| <b>METODE SINGLE EXPONENSIAL SMOOTHING (0.3)</b> |            |            |             |
|--------------------------------------------------|------------|------------|-------------|
| Periode                                          | KUR (Xt)   | st         | error       |
| 1                                                | 1902000000 | 1902000000 | 0           |
| 2                                                | 3494000000 | 2379600000 | 1114400000  |
| 3                                                | 3949000000 | 2850420000 | 1098580000  |
| 4                                                | 2000000000 | 2055294000 | 1855294000  |
| 5                                                | 3300000000 | 1537705800 | 1207705800  |
| 6                                                | 7720000000 | 1307994060 | 535994060   |
| 7                                                | 1857000000 | 1472695842 | 384304158   |
| 8                                                | 1825000000 | 1578387089 | 246612910.6 |
| 9                                                | 3358000000 | 2112270963 | 1245729037  |
| 10                                               | 3831000000 | 2627889674 | 1203110326  |
| 11                                               | 7550000000 | 4104522772 | 3445477228  |
| 12                                               | 6364000000 | 4782365940 | 1581634060  |
| 13                                               | 1952000000 | 3933256158 | 1981256158  |
| 14                                               | 2915000000 | 3627779311 | 712779310.7 |
| 15                                               | 3217000000 | 3504545517 | 287545517.5 |
| 16                                               | 2146000000 | 3096981862 | 950981862.2 |
| 17                                               | 2451000000 | 2903187304 | 452187303.6 |
| 18                                               | 2810000000 | 2875231112 | 65231112.49 |
| 19                                               | 2393000000 | 2730561779 | 337561778.7 |
| 20                                               | 4070000000 | 3132393245 | 937606754.9 |
| 21                                               | 5937000000 | 3973775272 | 1963224728  |
| 22                                               | 5112000000 | 4315242690 | 796757309.9 |
| 23                                               | 4988000000 | 4517069883 | 470930116.9 |
| 24                                               | 3714000000 | 4276148918 | 562148918.2 |
| 25                                               | 2443000000 | 3726204243 | 1283204243  |
| 26                                               | 5239000000 | 4180042970 | 1058957030  |
| 27                                               | 6202000000 | 4786630079 | 1415369921  |
| 28                                               | 3606000000 | 4432441055 | 826441055.2 |
| 29                                               | 3357000000 | 4109808739 | 752808738.7 |
| 30                                               | 3421000000 | 3903166117 | 482166117.1 |
| 31                                               | 3766000000 | 3862016282 | 96016281.95 |
| 32                                               | 3442000000 | 3736011397 | 294011397.4 |

|    |            |            |             |
|----|------------|------------|-------------|
| 33 | 3230000000 | 3584207978 | 354207978.2 |
| 34 | 4910000000 | 3981945585 | 928054415.3 |
| 35 | 7492000000 | 5034961909 | 2457038091  |
| 36 | 5146000000 | 5068273337 | 77726663.49 |
| 37 |            |            |             |
|    |            |            | 929529288.4 |