

Lampiran 9. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi Kelompok I kasus I dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3           | Iterasi 4           |
|--------------------|--------------------|---------------------|---------------------|
| 1.09697873829176   | 1.10383750083407   | 1.04310426937058    | 1.11194275524224    |
| 0.722358638285438  | 0.136516167202089  | 0.111905534347128   | 0.0996287348858021  |
| 0.685034701136142  | 0.185002059579566  | 0.195904004153904   | 0.175018929875587   |
| 0.0499999999530403 | 0.0411427512717804 | 0.00908985820108592 | 0.00262759459036761 |
| 165.450657976676   | 111.396408797325   | 101.464219532864    | 105.637980207262    |
| 91.5238378148338   | 6.25983791654134   | 0.312991894903098   | 0.244426214179588   |
| 17.6411456672769   | 0.882057284726405  | 0.486078618027512   | 0.0243039309459105  |
| 0.498966720862406  | 0.206493716855326  | 0.178946664506965   | 0.196634205469793   |
| 0.760574183222345  | 0.279429317343281  | 0.229201929819907   | 0.222726694182261   |
| Z = 2253.928331    | Z = 1020.920276    | Z = 923.1122848     | Z = 903.4579495     |

| Iterasi 5                                                                                                                                                                                     | Iterasi 6                                                                                                                                                                                       | Iterasi 7                                                                                                                                                                                          | Iterasi 8                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.24448788276507<br>0.0384097749573600<br>0.162994103687965<br>0.000131379729717521<br>111.973542181130<br>0.0534679900136591<br>0.0188931306503830<br>0.236081236761760<br>0.242760991575372 | 1.32499842940891<br>0.00192048875791589<br>0.154735390863243<br>0.000109938407316386<br>115.994852715927<br>0.0222621608353809<br>0.00762630758125648<br>0.259906322005261<br>0.256030602550559 | 1.32578974264948<br>0.00155515670975948<br>0.154445934458883<br>0.0000511892609206923<br>116.025652738605<br>0.00111310803692612<br>0.000437876102459306<br>0.260053498747396<br>0.255913670760828 | 1.32786522347243<br>0.000640495845258394<br>0.154257711824999<br>0.00000255946304289354<br>116.127514302637<br>0.000911237583384236<br>0.000347396260630169<br>0.260677931416406<br>0.256219658254874 |
| Z = 897.7256763                                                                                                                                                                               | Z = 896.3585688                                                                                                                                                                                 | Z = 895.9102769                                                                                                                                                                                    | Z = 895.8366951                                                                                                                                                                                       |

Lampiran 10. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok I kasus 2 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3          | Iterasi 4          |
|--------------------|--------------------|--------------------|--------------------|
| 1.15061435735571   | 1.30545627866625   | 1.50439085213154   | 1.59207036014604   |
| 0.685567819561502  | 0.272639475500444  | 0.251724875939332  | 0.190601832585945  |
| 0.0500000001205350 | 0.0446468411372597 | 0.0452799351930340 | 0.0546325137225087 |
| 0.827106811955223  | 0.275172108782161  | 0.0137586055494475 | 0.0104626537382622 |
| 229.903580310937   | 163.636025794929   | 158.512102881319   | 161.408979928307   |
| 96.4941723535124   | 30.5981765778719   | 17.2489523862079   | 17.1166320634683   |
| 6.38912504123214   | 0.319456251618932  | 0.217601960185654  | 0.0108800980564115 |
| 0.312945956803631  | 0.257862817403136  | 0.294378272245536  | 0.327110420928810  |
| 1.50654912582493   | 0.858463293748597  | 0.861031517607163  | 0.797862808701417  |
| Z = 2424.622749    | Z = 1407.074116    | Z = 1266.575706    | Z = 1236.419428    |

| Iterasi 5                                                                                                                                                                                    | Iterasi 6                                                                                                                                                                                     | Iterasi 7                                                                                                                                                                                       | Iterasi 8                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.84535133181174<br>0.00953009159486059<br>0.111658786598985<br>0.00210150491020119<br>171.867772585623<br>18.4907319968707<br>0.00862787525728296<br>0.423991864296421<br>0.628614753324174 | 1.27232205835232<br>0.00822918270650336<br>0.222476296576892<br>0.00166554541160926<br>130.391166256698<br>0.924536599173602<br>0.00681975012542267<br>0.196044007508133<br>0.533482292027598 | 1.26165442419227<br>0.00137121915108394<br>0.228380135465724<br>0.000124600638488534<br>129.214813484066<br>0.252326556536189<br>0.000340987504779378<br>0.191437143286069<br>0.523554386367779 | 1.25485007082086<br>0.000462377353975502<br>0.230214777842209<br>0.0000834587953525523<br>128.683855463095<br>0.0126163278143812<br>0.000263705135879168<br>0.188712192118722<br>0.521384318028023 |
| Z = 1218.275478                                                                                                                                                                              | Z = 1206.439440                                                                                                                                                                               | Z = 1204.002621                                                                                                                                                                                 | Z = 1203.745432                                                                                                                                                                                    |



| Iterasi 9              | Iterasi 10             |
|------------------------|------------------------|
| 1.25542539293397       | 1.25517482825129       |
| 0.0000231188677466094  | 0.0000176267033679037  |
| 0.230358790014812      | 0.230407321843573      |
| 0.00000500030425347412 | 0.00000359175850774769 |
| 128.701631437949       | 128.682980997309       |
| 0.0100679622611330     | 0.00195164367223258    |
| 0.0000672318498650826  | 0.00000336159248529537 |
| 0.188921627686020      | 0.188821458014252      |
| 0.520960888334690      | 0.520911600134572      |
| Z = 1203.649506        | Z = 1203.635914        |

Lampiran 11. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok I kasus 3 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3          | Iterasi 4           |
|--------------------|--------------------|--------------------|---------------------|
| 0.800011730185077  | 0.312653286028136  | 0.0411348566030744 | 0.0355645318075185  |
| 0.573197870466079  | 0.0847553767135455 | 0.0570966938713387 | 0.00285483470772710 |
| 0.0500000000123991 | 0.0419036022688793 | 0.0210257914543138 | 0.00161284442569800 |
| 0.904146736330474  | 0.565952749399786  | 0.815020256088574  | 0.859734485986402   |
| 197.788644981486   | 84.0887912392893   | 77.9838734294873   | 75.0159359357508    |
| 99.7181057499911   | 4.98590530881881   | 2.36435588749922   | 0.389528763294752   |
| 87.7362944032918   | 36.4108148458393   | 30.2052305168988   | 30.7791240894495    |
| 5.15929875601841   | 1.84026638131026   | 0.0920133183126597 | 0.0593287700814943  |
| 4.80207619311851   | 1.67416654334409   | 0.623227422937846  | 0.535059187236753   |
| Z= 3562.834233     | Z = 1455.686799    | Z = 1079.105336    | Z = 982.3073788     |

| Iterasi 5           | Iterasi 6            | Iterasi 7             | Iterasi 8             |
|---------------------|----------------------|-----------------------|-----------------------|
| 0.0268687122703824  | 0.0268123862576243   | 0.0265668157309598    | 0.0264289983962768    |
| 0.00232991144315575 | 0.000991696715260139 | 0.0000495848361558227 | 0.0000402020642682219 |
| 0.00117731570729666 | 0.000291783469031768 | 0.0000804230736056601 | 0.0000164573846637491 |
| 0.865651352278460   | 0.865391615798899    | 0.866611225727469     | 0.866737535945843     |
| 74.6943470861390    | 74.4759234726970     | 74.4604922456384      | 74.4531946658516      |
| 0.185543262079161   | 0.00927716310467879  | 0.00756475356854696   | 0.00302902493656501   |
| 30.4972299557955    | 30.4462394817839     | 30.4697512293059      | 30.4655018246502      |
| 0.00296643850609597 | 0.00239104080309113  | 0.000938306063266863  | 0.0000469153030713234 |
| 0.500592376200304   | 0.497488176882093    | 0.495723027266241     | 0.495160969285962     |
| Z = 969.2259964     | Z = 964.5525577      | Z = 963.3533327       | Z = 963.0358662       |

Lampiran 12. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok II kasus 1 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3           | Iterasi 4           |
|--------------------|--------------------|---------------------|---------------------|
| 1.08915319758662   | 1.07692562629648   | 1.11230852902402    | 1.20490473743693    |
| 0.722849548163893  | 0.159117577815507  | 0.144564280700520   | 0.111472543478243   |
| 0.675721339148055  | 0.188334839789396  | 0.168170546427415   | 0.147933770247796   |
| 0.0499999997297673 | 0.0413560669769632 | 0.00206780334389557 | 0.00158770597913478 |
| 164.748975395639   | 110.985862292171   | 109.173113277394    | 114.306782904026    |
| 87.7397999673516   | 4.38699001580857   | 0.456049509261615   | 0.248500670558312   |
| 17.7377511679377   | 1.34285035437455   | 0.337982964823542   | 0.0168991484471718  |
| 0.529186016037527  | 0.237537988698124  | 0.238709219776861   | 0.263395588121704   |
| 0.744519396242874  | 0.270663757846934  | 0.214443362303650   | 0.220934023836825   |
| Z = 2236.438246    | Z = 2236.438246    | Z = 928.1971154     | Z = 916.7064708     |

| Iterasi 5                                                                                                                                                                                     | Iterasi 6                                                                                                                                                                                         | Iterasi 7                                                                                                                                                                                           | Iterasi 8                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.40339917006831<br>0.0189466756254626<br>0.129044605770149<br>0.000496309878457193<br>123.947414606737<br>0.0124250335429188<br>0.0137722336884546<br>0.322191396825247<br>0.253376643857866 | 1.43535680883288<br>0.00500785505898856<br>0.125758215156170<br>0.0000248154939620661<br>125.546098954733<br>0.00983032735875433<br>0.00454273736092025<br>0.331701361742538<br>0.258116560707850 | 1.44476565110680<br>0.000805843994981235<br>0.124689824435472<br>0.0000197507793616127<br>126.019268575487<br>0.00285278467969632<br>0.000227136867430362<br>0.334455799230310<br>0.259583152244668 | 1.44581127725368<br>0.000303868541070598<br>0.124594293986685<br>0.00000495389769184201<br>126.068156948865<br>0.000142639233976464<br>0.000177376689479238<br>0.334763881193527<br>0.259744947091007 |
| Z = 911.4164539                                                                                                                                                                               | Z = 910.3716422                                                                                                                                                                                   | Z = 910.1017390                                                                                                                                                                                     | Z = 910.0500822                                                                                                                                                                                       |

Lampiran 13. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok II kasus 2 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3          | Iterasi 4          |
|--------------------|--------------------|--------------------|--------------------|
| 1.13732435001644   | 1.27148658244529   | 1.49835270780215   | 1.57613295900527   |
| 0.718693998273108  | 0.258086401756176  | 0.224882017293629  | 0.169913607960354  |
| 0.0499999998974044 | 0.0437429444499192 | 0.0432169857770767 | 0.0507260920168776 |
| 0.822024383425823  | 0.263709531195513  | 0.0131854765053352 | 0.0101893989895726 |
| 228.690502951455   | 155.893307467730   | 152.926621578944   | 155.412705330672   |
| 95.0809058919835   | 24.3935010171114   | 12.1689591545635   | 11.9416862800471   |
| 7.14483442567314   | 0.357241720326743  | 0.220958085248063  | 0.0110479043136632 |
| 0.345580741627358  | 0.277939198514507  | 0.327011479227984  | 0.355928013736367  |
| 1.28655660196770   | 0.557349635385138  | 0.549228190839477  | 0.491500443928458  |
| Z = 2465.257379    | Z = 1356.102200    | Z = 1216.334326    | Z = 1186.399321    |

| Iterasi 5                                                                                                                                                                                    | Iterasi 6                                                                                                                                                                                     | Iterasi 7                                                                                                                                                                                       | Iterasi 8                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.79731513042574<br>0.00849568036401933<br>0.102574900662866<br>0.00147486485166718<br>164.650395636292<br>12.9354315944897<br>0.00850629875018907<br>0.440257608765564<br>0.339842243929397 | 1.39649965354246<br>0.00740407628435518<br>0.180157302913718<br>0.00125247403931603<br>136.139569982159<br>0.646771577353125<br>0.00667869119587196<br>0.280824106310021<br>0.273072332691008 | 1.39406685241075<br>0.00174070180039153<br>0.183715487413470<br>0.000362767857358166<br>135.674921902760<br>0.310236596170401<br>0.000333934562136172<br>0.279612961681514<br>0.265887634368171 | 1.38631303315926<br>0.000549570771402337<br>0.185925890862515<br>0.0000791088759643238<br>135.061569256816<br>0.0155118297825117<br>0.000273647930591229<br>0.276467776714706<br>0.263232707052366 |
| Z = 1169.443013                                                                                                                                                                              | Z = 1161.121382                                                                                                                                                                               | Z = 1159.310447                                                                                                                                                                                 | Z = 1158.886366                                                                                                                                                                                    |



| Iterasi 9             | Iterasi 10             |
|-----------------------|------------------------|
| 1.38690586177747      | 1.38667884945227       |
| 0.0000274785386118709 | 0.0000220246425726160  |
| 0.186113025836392     | 0.186157459846481      |
| 0.0000197998318298466 | 0.00000427559189436634 |
| 135.079920370304      | 135.062174894183       |
| 0.0122707192656405    | 0.00379600164786181    |
| 0.0000956457794701958 | 0.00000478228896698972 |
| 0.276686177672581     | 0.276593009898469      |
| 0.262716612672483     | 0.262670245115059      |
| Z = 1158.793927       | Z = 1158.770633        |

Lampiran 14. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok II kasus 3 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3          | Iterasi 4           |
|--------------------|--------------------|--------------------|---------------------|
| 0.798975685898566  | 0.318212751412349  | 0.0349609804013762 | 0.0295369875460778  |
| 0.574972551444274  | 0.0957749173383466 | 0.0613091410884906 | 0.00306545705056786 |
| 0.0499999999464260 | 0.0420436650037612 | 0.0214194326809253 | 0.00260731640937857 |
| 0.906403879384584  | 0.584776784736868  | 0.852191986460395  | 0.900773003068636   |
| 198.126282033951   | 87.2254981902540   | 81.1258124942823   | 78.2105177104207    |
| 97.1879035165620   | 4.85939516086047   | 2.39960502474147   | 0.496011256591756   |
| 88.1766434411948   | 38.1189053304055   | 31.9412754007963   | 32.6610850234834    |
| 5.19000841274881   | 1.91845163202361   | 0.0959225808249699 | 0.0647866010290964  |
| 4.79600080224710   | 1.72339853926184   | 0.624732913506054  | 0.534260908643440   |
| Z = 3565.882900    | Z = 1504.001411    | Z = 1113.301297    | Z = 1016.155378     |

| Iterasi 5           | Iterasi 6             | Iterasi 7             | Iterasi 8             |
|---------------------|-----------------------|-----------------------|-----------------------|
| 0.0200702283236734  | 0.0199819656719758    | 0.0197069872247723    | 0.0195811598445999    |
| 0.00248662571270849 | 0.000992994759509361  | 0.0000496497383711173 | 0.0000399849357046606 |
| 0.00151747829181810 | 0.0000758739143035190 | 0.0000616007141576485 | 0.0000230455034587736 |
| 0.906522625150629   | 0.907103904119537     | 0.908119785079096     | 0.908130299313975     |
| 77.7473383431790    | 77.5373075080625      | 77.5186699571523      | 77.5046061051081      |
| 0.178827883233238   | 0.0183774642386129    | 0.0116664835711877    | 0.000583324181538800  |
| 32.3096764577006    | 32.2806232955743      | 32.2974091439026      | 32.2892280460329      |
| 0.00323933005572967 | 0.00256722351450229   | 0.000895049613227793  | 0.0000617691712957096 |
| 0.495802513846453   | 0.492568597465074     | 0.490655195087821     | 0.490076072353906     |
| Z = 999.6371786     | Z = 994.1518573       | Z = 993.1707077       | Z = 992.8187244       |

### Iterasi 9

0.0195779255641263

0.0000145530607726039

0.00000115227517096918

0.908173067695214

77.5039360780433

0.000470908041461077

32.2901638927118

0.0000456668824115321

0.490039596303521

$Z = 992.7630101$



Lampiran 15. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok III kasus 1 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3           | Iterasi 4           |
|--------------------|--------------------|---------------------|---------------------|
| 1.08758359808330   | 1.07578006721576   | 1.17322701933372    | 1.32452127097862    |
| 0.727443542827577  | 0.197378512423348  | 0.193571796988348   | 0.118373015311387   |
| 0.674620888069816  | 0.205555281061336  | 0.144439131657534   | 0.130185822236412   |
| 0.0500000001125961 | 0.0416598896869727 | 0.00453341087718239 | 0.00150498130340684 |
| 165.029791462809   | 114.274525014984   | 118.339073531665    | 125.124417287241    |
| 83.4138967376725   | 4.17069481275113   | 0.725487075238693   | 0.0362743535473387  |
| 17.7808380533541   | 2.03424301539789   | 0.101712150855880   | 0.0634272888181893  |
| 0.540889574645215  | 0.262309205771270  | 0.275139365278579   | 0.319042061712292   |
| 0.742551254723875  | 0.287594390870541  | 0.218764278214001   | 0.240490814363330   |
| Z = 2237.677966    | Z = 1087.445545    | Z = 967.1964665     | Z = 955.2477437     |

| Iterasi 5            | Iterasi 6             | Iterasi 7             | Iterasi 8              |
|----------------------|-----------------------|-----------------------|------------------------|
| 1.57756295858156     | 1.58194450223815      | 1.58885098492783      | 1.59079251399593       |
| 0.00591865077681801  | 0.00440162651220167   | 0.00113697277132449   | 0.000301327670851454   |
| 0.104060126773103    | 0.103311841338199     | 0.102615741563970     | 0.102389044951781      |
| 0.000446789248395244 | 0.0000223394624331569 | 0.0000182121435424985 | 0.00000769084835673446 |
| 137.850886917382     | 138.065392009360      | 138.399643010043      | 138.498857376596       |
| 0.0308483407865698   | 0.0130841463587487    | 0.000654207317912490  | 0.000535019774360669   |
| 0.0160155137380039   | 0.00214865086426257   | 0.00117780139234332   | 0.0000588900697791603  |
| 0.394158418318298    | 0.395384738869007     | 0.397410320106301     | 0.397980869099873      |
| 0.281037059613839    | 0.281030053459609     | 0.282163823250202     | 0.282452402041195      |
| Z = 950.5001686      | Z = 949.5059933       | Z = 949.2951073       | Z = 949.2362683        |

Lampiran 16. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok III kasus 2 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3          | Iterasi 4          |
|--------------------|--------------------|--------------------|--------------------|
| 1.13383645952056   | 1.26502529908000   | 1.54363573972697   | 1.62078348330946   |
| 0.721798964897192  | 0.252139203772395  | 0.206865768232763  | 0.154071077701735  |
| 0.0499999999063425 | 0.0435810236949291 | 0.0415940585942557 | 0.0479808972003288 |
| 0.827371134545975  | 0.278753275123656  | 0.0139376638032111 | 0.0105968054627624 |
| 226.146406377558   | 153.067538604021   | 152.328716605589   | 154.822470665458   |
| 91.0342966497693   | 20.3353168453960   | 8.28298220827144   | 8.07941036214511   |
| 7.25407331602175   | 0.362703665468899  | 0.221580014300705  | 0.0110790007367561 |
| 0.357235488541146  | 0.289458339412999  | 0.356630434135289  | 0.385267771973672  |
| 1.28983204381704   | 0.546490233815305  | 0.532505985761496  | 0.477179861179956  |
| Z = 2472.603533    | Z = 1355.283595    | Z = 1207.595088    | Z = 1177.631599    |



| Iterasi 5            | Iterasi 6            | Iterasi 7            | Iterasi 8             |
|----------------------|----------------------|----------------------|-----------------------|
| 1.81557483886991     | 1.54749874134732     | 1.54836237418222     | 1.54226453541389      |
| 0.00770355394474097  | 0.00663018557559543  | 0.00188564935259237  | 0.000310826705936445  |
| 0.0963334587411093   | 0.148373506248929    | 0.150696698022252    | 0.152819694188579     |
| 0.000634078773756317 | 0.000588321446800817 | 0.000383298582962842 | 0.0000265023766029314 |
| 162.645390754550     | 143.568228919603     | 143.419261852351     | 142.904478582728      |
| 8.65786527593423     | 0.432893262389728    | 0.275321027490573    | 0.0137660513502413    |
| 0.00838131923624208  | 0.00639446701517457  | 0.000319723350829893 | 0.000257456359965036  |
| 0.459109091780500    | 0.352484686455833    | 0.352707696098475    | 0.350203983657899     |
| 0.338688846010315    | 0.293609618231852    | 0.288045854304492    | 0.285214606049134     |
| Z = 1161.068838      | Z = 1155.430581      | Z = 1154.152328      | Z = 1153.684486       |

Iterasi 9

1.54245325055494

0.0000515774199976254

0.152923385419864

0.0000161695487930277

142.906791694293

0.00980358448335004

0.0000128728179674483

0.350272906720243

0.284936417612268

$Z = 1153.684486$



Lampiran 17. Tabel Nilai Variabel dan Nilai Z pada tiap Iterasi kelompok III kasus 3 dengan Algoritma Titik Interior

| Iterasi 1          | Iterasi 2          | Iterasi 3          | Iterasi 4           |
|--------------------|--------------------|--------------------|---------------------|
| 0.798742842051000  | 0.329403583779342  | 0.0321007689249957 | 0.0267829493124314  |
| 0.577639842258211  | 0.112103600705639  | 0.0669148461287123 | 0.00334574228712442 |
| 0.0499999997588660 | 0.0422486447939350 | 0.0222333902453729 | 0.00363460899741611 |
| 0.910644303677477  | 0.615580834930621  | 0.907996770859985  | 0.961741046005060   |
| 198.769320946118   | 92.3279531220204   | 86.3001367496798   | 83.3983738077763    |
| 93.1563007305221   | 4.65781501115743   | 2.46814416810778   | 0.615911244881672   |
| 88.4575536220268   | 40.4695026355431   | 34.4360985528179   | 35.3327929010823    |
| 5.20147743720880   | 2.01157996339342   | 0.100578998753561  | 0.0708750174131972  |
| 4.80126247456134   | 1.81920854455668   | 0.661849330534769  | 0.567547462633016   |
| Z = 3574.003958    | Z = 1584.549237    | Z = 1176.899634    | Z = 1077.666420     |

| Iterasi 5                                                                                                                                                                                      | Iterasi 6                                                                                                                                                                                         | Iterasi 7                                                                                                                                                                                             | Iterasi 8                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0.0164629273819586<br>0.00268691049504927<br>0.00160909954106060<br>0.967169291388520<br>82.7468276773625<br>0.147431022019997<br>34.8934921995317<br>0.00354375086541634<br>0.524397188424999 | 0.0163343336140812<br>0.00104230370656258<br>0.0000804549774563715<br>0.968733849220448<br>82.5974209706275<br>0.0445805465725973<br>34.9024510559689<br>0.00278568965382546<br>0.521423531888637 | 0.0160392313406775<br>0.0000521151850707763<br>0.0000651653150208610<br>0.969414109455390<br>82.5440734317873<br>0.00695647406969090<br>34.9022948943276<br>0.000910481190028502<br>0.519101144316223 | 0.0159055535285338<br>0.0000414331154795825<br>0.0000218827872288023<br>0.969527893129804<br>82.5377215804410<br>0.00300343976581835<br>34.8981656489808<br>0.0000455240598008731<br>0.518559626027168 |
| Z = 1056.641071                                                                                                                                                                                | Z = 1051.655917                                                                                                                                                                                   | Z = 1050.206969                                                                                                                                                                                       | Z = 1049.934323                                                                                                                                                                                        |

### Iterasi 9

0.0159046413683062

0.0000152888325460254

0.00000298379452280425

0.969531573958484

82.5340859641647

0.000150171987770821

34.8975404403096

0.0000371502694851922

0.518505205101799

$Z = 1049.848593$

