

Lampiran

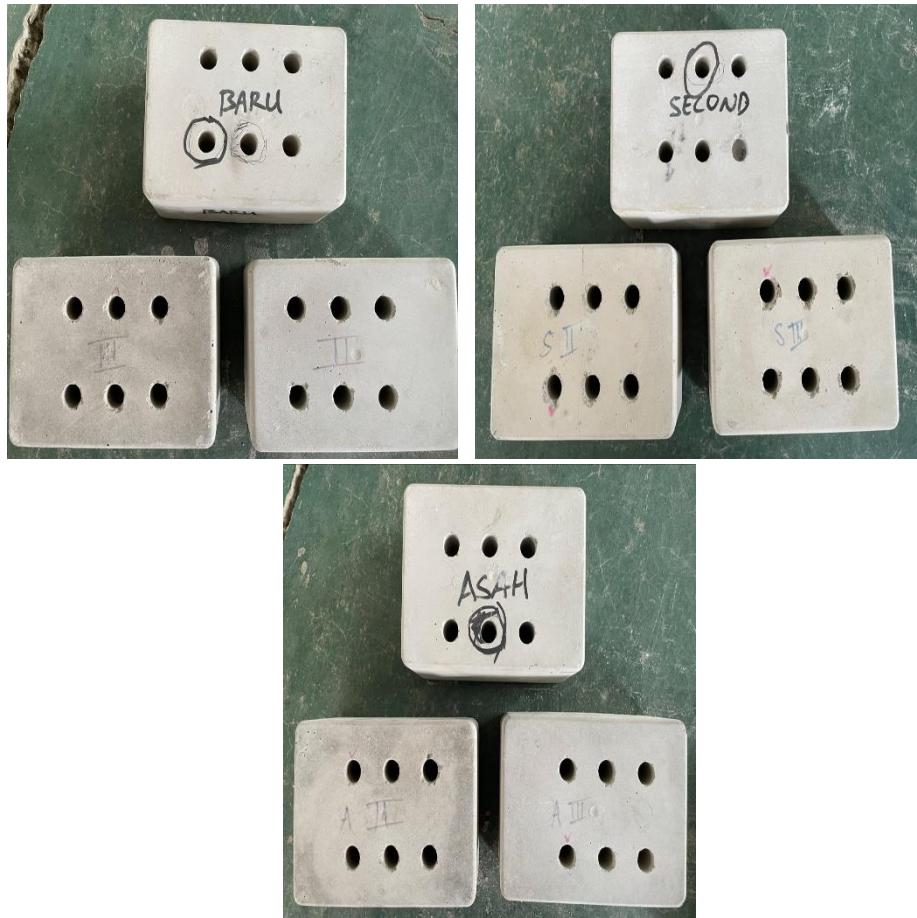
1. Dokumentasi Proses Pengasahan



2. Dokumentasi Proses Pengujian



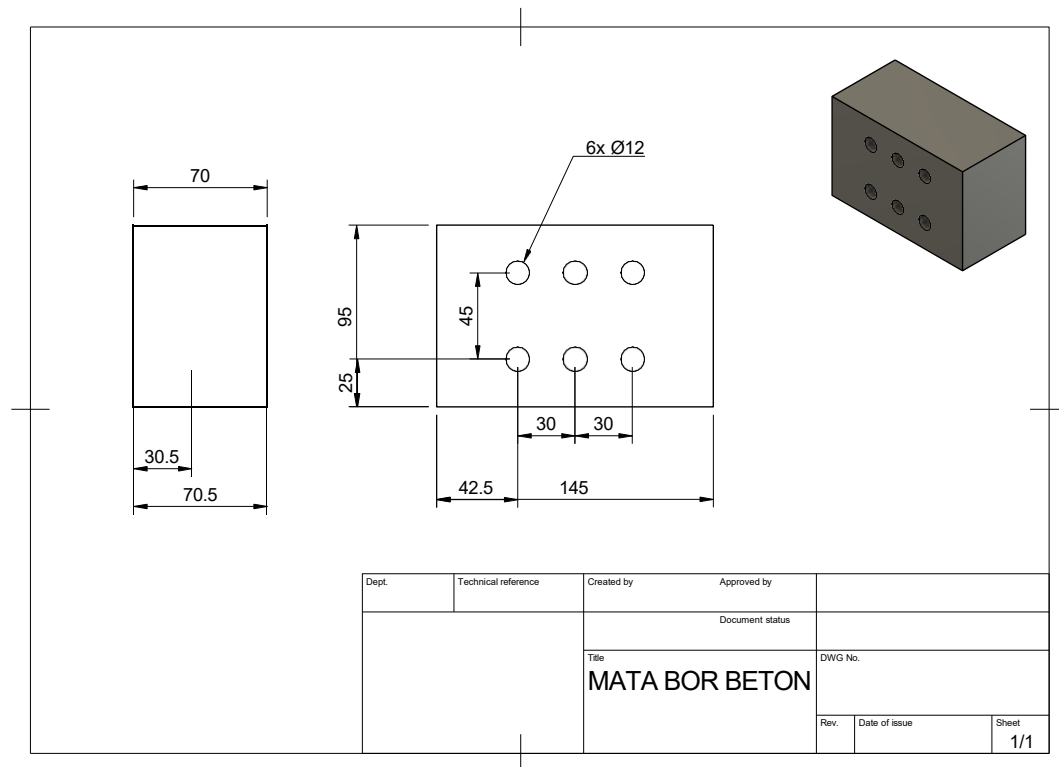
3. Benda Uji (material beton)



4. Tools (mata bor beton 12mm)



5. Gambar Kerja



6. G-CODE

a. Program (1) Pengeboran Kedalaman -35

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% O1201 (T1 D=12. CR=0. TAPER=118DEG - ZMIN=-35. - DRILL) N10 G90
G94 G17 G49 G40 G80 N15 G21 N20 G28 G91 Z0. N25 G90 N35 S1000 M03
N40 G17 G90 G94 N45 G54 N50 G00 X45. Y-72.5 N55 G43 Z15. H01 N60
G00 Z5. N65 Z4. N70 G01 Z-3. F50. N75 G00 Z-2.76 N80 G01 Z-6. F50. N85
G00 Z-5.76 N90 G01 Z-9. F50. N95 G00 Z-8.76 N100 G01 Z-12. F50. N105
G00 Z-11.76 N110 G01 Z-15. F50. N115 G00 Z-14.76 N120 G01 Z-18. F50.
N125 G00 Z-17.76 N130 G01 Z-21. F50. N135 G00 Z-20.76 N140 G01 Z-24.
F50. N145 G00 Z-23.76 N150 G01 Z-27. F50. N155 G00 Z-26.76 N160 G01 Z-
30. F50. N165 G00 Z5. N170 Z-28. N175 G01 Z-33. F50. N180 G00 Z-32.76
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N185 G01 Z-35. F50. N190 G00 Z5. N195 X75. N200 Z4. N205 G01 Z-3. F50. N210 G00 Z-2.76 N215 G01 Z-6. F50. N220 G00 Z-5.76 N225 G01 Z-9. F50. N230 G00 Z-8.76 N235 G01 Z-12. F50. N240 G00 Z-11.76 N245 G01 Z-15. F50. N250 G00 Z-14.76 N255 G01 Z-18. F50. N260 G00 Z-17.76 N265 G01 Z-21. F50. N270 G00 Z-20.76 N275 G01 Z-24. F50. N280 G00 Z-23.76 N285 G01 Z-27. F50. N290 G00 Z-26.76 N295 G01 Z-30. F50. N300 G00 Z5. N305 Z-28. N310 G01 Z-33. F50. N315 G00 Z-32.76 N320 G01 Z-35. F50. N325 G00 Z5. N330 X105. N335 Z4. N340 G01 Z-3. F50. N345 G00 Z-2.76 N350 G01 Z-6. F50. N355 G00 Z-5.76 N360 G01 Z-9. F50. N365 G00 Z-8.76 N370 G01 Z-12. F50. N375 G00 Z-11.76 N380 G01 Z-15. F50. N385 G00 Z-14.76 N390 G01 Z-18. F50. N395 G00 Z-17.76 N400 G01 Z-21. F50. N405 G00 Z-20.76 N410 G01 Z-24. F50. N415 G00 Z-23.76 N420 G01 Z-27. F50. N425 G00 Z-26.76 N430 G01 Z-30. F50. N435 G00 Z5. N440 Z-28. N445 G01 Z-33. F50. N450 G00 Z-32.76 N455 G01 Z-35. F50. N460 G00 Z5. N465 Z15. N470 M05 N475 G28 G91 Z0. N480 G90 N485 G49 N490 G28 G91 X0. Y0. N495 G90 N500 M30 %

b. Program 2 pengeboran kedalaman -75

% O1202 (T1 D=12. CR=0. TAPER=118DEG - **ZMIN=-75** - DRILL) N10 G90 G94 G17 G49 G40 G80 N15 G21 N20 G28 G91 Z0. N25 G90 N35 S1000 M03 N40 G17 G90 G94 N45 G54 N50 G00 X45. Y-27.5 N55 G43 Z15. H01 N60 G00 Z5. N65 Z4. N70 G01 Z-3. F50. N75 G00 Z-2.76 N80 G01 Z-6. F50. N85 G00 Z-5.76 N90 G01 Z-9. F50. N95 G00 Z-8.76 N100 G01 Z-12. F50. N105 G00 Z-11.76 N110 G01 Z-15. F50. N115 G00 Z-14.76 N120 G01 Z-18. F50. N125 G00 Z-17.76 N130 G01 Z-21. F50. N135 G00 Z-20.76 N140 G01 Z-24.

F50. N145 G00 Z-23.76 N150 G01 Z-27. F50. N155 G00 Z-26.76 N160 G01 Z-30. F50. N165 G00 Z5. N170 Z-28. N175 G01 Z-33. F50. N180 G00 Z-32.76 N185 G01 Z-36. F50. N190 G00 Z-35.76 N195 G01 Z-39. F50. N200 G00 Z-38.76 N205 G01 Z-42. F50. N210 G00 Z-41.76 N215 G01 Z-45. F50. N220 G00 Z-44.76 N225 G01 Z-48. F50. N230 G00 Z-47.76 N235 G01 Z-51. F50. N240 G00 Z-50.76 N245 G01 Z-54. F50. N250 G00 Z-53.76 N255 G01 Z-57. F50. N260 G00 Z-56.76 N265 G01 Z-60. F50. N270 G00 Z5. N275 Z-58. N280 G01 Z-63. F50. N285 G00 Z-62.76 N290 G01 Z-66. F50. N295 G00 Z-65.76 N300 G01 Z-69. F50. N305 G00 Z-68.76 N310 G01 Z-72. F50. N315 G00 Z-71.76 N320 G01 Z-73.5 F50. N325 G00 Z5. N330 X75. N335 Z4. N340 G01 Z-3. F50. N345 G00 Z-2.76 N350 G01 Z-6. F50. N355 G00 Z-5.76 N360 G01 Z-9. F50. N365 G00 Z-8.76 N370 G01 Z-12. F50. N375 G00 Z-11.76 N380 G01 Z-15. F50. N385 G00 Z-14.76 N390 G01 Z-18. F50. N395 G00 Z-17.76 N400 G01 Z-21. F50. N405 G00 Z-20.76 N410 G01 Z-24. F50. N415 G00 Z-23.76 N420 G01 Z-27. F50. N425 G00 Z-26.76 N430 G01 Z-30. F50. N435 G00 Z5. N440 Z-28. N445 G01 Z-33. F50. N450 G00 Z-32.76 N455 G01 Z-36. F50. N460 G00 Z-35.76 N465 G01 Z-39. F50. N470 G00 Z-38.76 N475 G01 Z-42. F50. N480 G00 Z-41.76 N485 G01 Z-45. F50. N490 G00 Z-44.76 N495 G01 Z-48. F50. N500 G00 Z-47.76 N505 G01 Z-51. F50. N510 G00 Z-50.76 N515 G01 Z-54. F50. N520 G00 Z-53.76 N525 G01 Z-57. F50. N530 G00 Z-56.76 N535 G01 Z-60. F50. N540 G00 Z5. N545 Z-58. N550 G01 Z-63. F50. N555 G00 Z-62.76 N560 G01 Z-66. F50. N565 G00 Z-65.76 N570 G01 Z-69. F50. N575 G00 Z-68.76 N580 G01 Z-72. F50. N585 G00 Z-71.76 N590 G01 Z-73.5 F50. N595 G00 Z5.

N600 X105. N605 Z4. N610 G01 Z-3. F50. N615 G00 Z-2.76 N620 G01 Z-6.
 F50. N625 G00 Z-5.76 N630 G01 Z-9. F50. N635 G00 Z-8.76 N640 G01 Z-12.
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 18. F50. N665 G00 Z-17.76 N670 G01 Z-21. F50. N675 G00 Z-20.76 N680 G01
 Z-24. F50. N685 G00 Z-23.76 N690 G01 Z-27. F50. N695 G00 Z-26.76 N700
 G01 Z-30. F50. N705 G00 Z5. N710 Z-28. N715 G01 Z-33. F50. N720 G00 Z-
 32.76 N725 G01 Z-36. F50. N730 G00 Z-35.76 N735 G01 Z-39. F50. N740 G00
 Z-38.76 N745 G01 Z-42. F50. N750 G00 Z-41.76 N755 G01 Z-45. F50. N760
 G00 Z-44.76 N765 G01 Z-48. F50. N770 G00 Z-47.76 N775 G01 Z-51. F50.
 N780 G00 Z-50.76 N785 G01 Z-54. F50. N790 G00 Z-53.76 N795 G01 Z-57.
 F50. N800 G00 Z-56.76 N805 G01 Z-60. F50. N810 G00 Z5. N815 Z-58. N820
 G01 Z-63. F50. N825 G00 Z-62.76 N830 G01 Z-66. F50. N835 G00 Z-65.76
 N840 G01 Z-69. F50. N845 G00 Z-68.76 N850 G01 Z-72. F50. N855 G00 Z-
 71.76 N860 G01 Z-73.5 F50. N865 G00 Z5. N870 Z15. N875 M05 N880 G28
 G91 Z0. N885 G90 N890 G49 N895 G28 G91 X0. Y0. N900 G90 N905 M30 %