DAFTAR ISI

HALAMAN JUDUL ......................................................................................................................... i
HALAMAN PENGENSAHAN ...................................................................................................... ii
SURAT PERNYATAAN ........................................................................................................... iii
DAFTAR ISI ........................................................................................................................... vi
DAFTAR SINGKATAN ............................................................................................................ ix
DAFTAR TABEL ....................................................................................................................... x
DAFTAR GAMBAR ................................................................................................................... xii
DAFTAR LAMPIRAN ............................................................................................................... xiii
INTISARI ................................................................................................................................... xiv

BAB I PENDAHULUAN ............................................................................................................. 1
  1.1. Latar Belakang ................................................................................................................ 1
  1.2. Rumusan Masalah ......................................................................................................... 4
  1.3. Tujuan Penelitian ......................................................................................................... 5
    1.3.1. Tujuan Umum .......................................................................................................... 5
    1.3.2. Tujuan Khusus ....................................................................................................... 5
  1.4. Manfaat Penelitian ..................................................................................................... 5
    1.4.1. Manfaat Pengembangan Ilmu ............................................................................... 5
    1.4.2. Manfaat Praktis ..................................................................................................... 5

BAB II TINJAUAN PUSTAKA ..................................................................................................... 6
  2.1. Coronary Artery Disease ............................................................................................ 6
    2.1.1. Definisi ....................................................................................................................... 6
2.1.2. Epidemiologi .......................................................................................... 8
2.1.3. Sirkulasi Koroner .................................................................................. 12
2.1.4. Faktor Risiko ....................................................................................... 13
2.1.5. Gejala Klinis ....................................................................................... 15
2.1.6. Patofisiologi dan Patogenesis ............................................................... 16
2.2. Angiografi .................................................................................................. 23
2.3. Framingham Risk Score .......................................................................... 27
   2.3.1. Definisi Framingham Risk Score ..................................................... 27
   2.3.2. Kegunaan Framingham Risk Score ................................................ 28
   2.3.3. Keterbatasan Framingham Risk Score .............................................. 29
   2.3.4. Perhitungan Framingham Risk Score .............................................. 30
2.4. Hubungan Framingham Risk Score dengan Derajat Stenosis ............... 35
2.5. Kerangka Teori ....................................................................................... 38
2.6. Kerangka Konsep .................................................................................... 38
2.7. Hipotesis .................................................................................................. 38

BAB III METODE PENELITIAN ..................................................................... 41
3.1. Jenis Penelitian dan Rancangan Penelitian ........................................... 41
3.2. Variabel dan Definisi Operasional .......................................................... 41
   3.2.1. Variabel ............................................................................................. 41
   3.2.2. Definisi Operasional ....................................................................... 41
3.3. Populasi dan Sampel .............................................................................. 42
3.4. Data penelitian ......................................................................................... 44
3.5. Bahan dan Alat Penelitian ...................................................................... 44
DAFTAR SINGKATAN

AHA : American Heart Association
CAD : Coronary Artery Disease
CO  : Carbon Monoxide
DM  : Diabetes Mellitus
EDRF: Endothelium Derived Relaxing Factor
EKG : Elektrokardiografi
FFR : Fractional Flow Reserve
FRS : Framingham Risk Score
FRSC: Framingham Risk Score Calculator
HDL : High-Density Lipoprotein
LDL : Low-Density Lipoprotein
NHLBI: National Heart Lung and Blood Institute
NO  : Nitric Oxide
PCI : Percutaneous Coronary Intervention
PDGF: Platelet Derived Growth Factor
PGI2: Prostaglandine I2
TD  : Tekanan Darah
DAFTAR TABEL

Tabel 2.1. Poin FRS berdasarkan usia ................................................................. 30
Tabel 2.2. Poin FRS berdasarkan usia dan kolesterol ......................................... 30
Tabel 2.3. Poin FRS berdasarkan status merokok ............................................. 31
Tabel 2.4. Poin FRS berdasarkan kadar HDL .................................................... 31
Tabel 2.5. Poin FRS berdasarkan tekanan .......................................................... 31
Tabel 2.6. Poin FRS berdasarkan riwayat diabetes melitus ............................... 31
Tabel 2.7. Poin Total FRS .................................................................................. 32
Tabel 2.8. Poin FRS berdasarkan usia ................................................................. 32
Tabel 2.8. Poin FRS berdasarkan usia1 ............................................................... 32
Tabel 2.9. Poin FRS berdasarkan kadar kolesterol ........................................... 32
Tabel 2.10. Poin FRS berdasarkan status merokok ........................................... 33
Tabel 2.11. Poin FRS berdasarkan kadar HDL .................................................. 33
Tabel 2.12. Poin FRS berdasarkan tekanan darah sistolik dan pengobatan hipertensi ........................................................................................................ 33
Tabel 2.13. Poin FRS berdasarkan riwayat diabetes mellitus .............................. 34
Tabel 2.14. Poin total FRS .................................................................................. 34
Tabel 4.1. Karakteristik Pasien CAD Rumah Sakit Islam Sultan Agung Semarang ............................................................................................................. 48
Tabel 4.2. Tabel Distribusi Kriteria FRS .............................................................. 50
Tabel 4.3. Distribusi derajat stenosis pasien CAD ........................................... 50
Tabel 4.4. Hubungan FRS dengan derajat stenosis pada pasien CAD .............. 51
Tabel 4.5 Hubungan FRS dengan derajat stenosis pada pasien CAD (hasil penggabungan kriteria FRS)................................................................. 51
DAFTAR GAMBAR

Gambar 2.1. Hubungan derajat stenosis dan aliran darah koroner .................. 6
Gambar 2.2. Prevalensi CAD berdasarkan umur dan jenis kelamin............... 10
Gambar 2.3. Angka kejadian CAD per 1000 berdasarkan umur dan jenis kelamin ........................................................................................................ 10
Gambar 2.4. Insiden kejadian CAD berdasarkan umur, jenis kelamin, dan ras .. 11
Gambar 2.5. Anatomi arteri koronaria ......................................................... 13
Gambar 2.6. CAD akibat sumbatan di arteri koronaria ................................. 17
Gambar 2.7. Plak dibawah permukaan arteri ............................................... 17
Gambar 2.8. Proses Aterosklerosis ............................................................... 22
Gambar 2.9. Gambaran stenosis dari angiorafi.......................................... 26
<table>
<thead>
<tr>
<th>Lampiran</th>
<th>Judul</th>
<th>Halaman</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lampiran 1</td>
<td>Ethical Clearance</td>
<td>67</td>
</tr>
<tr>
<td>Lampiran 2</td>
<td>Surat Jawaban Penelitian</td>
<td>68</td>
</tr>
<tr>
<td>Lampiran 3</td>
<td>Surat Selesai Penelitian</td>
<td>69</td>
</tr>
<tr>
<td>Lampiran 4</td>
<td>Hasil SPSS</td>
<td>70</td>
</tr>
<tr>
<td>Lampiran 5</td>
<td>Data Penelitian</td>
<td>62</td>
</tr>
<tr>
<td>Lampiran 6</td>
<td>Dokumentasi Penelitian</td>
<td>62</td>
</tr>
</tbody>
</table>