





Gambar 3.1 Gambar jaringan pipa yang dibahas serta arah aliran yang terjadi

Tabel 2.2 Koefisien Hazen-Williams berdasarkan diameter pipa ^[1]

| Bahan Pipa | Nilai C_{HW} berdasarkan diameter pipa (mm) | | | | |
|--|---|--------|--------|--------|--------|
| | 75 | 150 | 300 | 600 | 1200 |
| besi tuang tanpa lapisan (uncoated cast iron) | 121 | 125 | 130 | 132 | 134 |
| besi tuang dengan lapisan (coated cast iron) | 129 | 133 | 138 | 140 | 141 |
| baja tanpa lapisan (uncoated steel) | 142 | 145 | 147 | 150 | 150 |
| baja dengan lapisan (coated steel) | 137 | 142 | 145 | 148 | 148 |
| besi tempa (wrought iron) | 137 | 142 | - | - | - |
| besi galvanis (galvanized iron) | 129 | 133 | - | - | - |
| besi berlapis spin (coated spun iron) | 137 | 142 | 145 | 148 | 148 |
| asbes semen tanpa lapisan (uncoated asbestos cement) | 142 | 145 | 147 | 150 | - |
| asbes semen dengan lapisan (coated asbestos cement) | 147 | 149 | 150 | 152 | - |
| PVC | 142 | 145 | 147 | 150 | 150 |
| Beton (concrete) | 69-129 | 79-133 | 84-138 | 90-140 | 95-141 |
| Beton prategang (prestressed concrete) | - | - | 147 | 150 | 150 |