

BAB VI KESIMPULAN

6.1 Kesimpulan

Berdasarkan analisis data dan hasil pembahasan penelitian, dapat beberapa kesimpulan yang menjawab tentang pengelolaan air hujan yang dapat diterapkan di Universitas Atma Jaya Yogyakarta berdasarkan indikator *Low Impact Development*. Pengelolaan air hujan yang paling bisa diterapkan di kampus Universitas Atma Jaya Yogyakarta adalah *permeable pavement*. Namun, diperlukan adanya peningkatan desain guna memenuhi seluruh indikator agar berfungsi dengan baik untuk mengelola air hujan. peningkatan tersebut berupa penambahan lapisan di bawah *paving* yaitu lapisan pasir, kerikil kecil, kerikil besar, dan tanah. Penambahan *underdrain* di bawahnya sebagai jalur air hujan yang sudah masuk ke dalam *paving* juga diperlukan untuk menggiring air hujan ke tampungan / parit agar tidak terdapat genangan di atas permukaan *paving*.

Pada seluruh kategori *Low Impact Development* di setiap kampus di Universitas Atma Jaya Yogyakarta memiliki potensi yang berbeda – beda, antara lain:

1. Kampus 2 Thomas Aquinas Universitas Atma Jaya Yogyakarta adalah kampus yang berpotensi untuk dikembangkan lebih lanjut untuk penerapan pengelolaan air hujannya sesuai pendekatan *Low Impact Development*. Empat kategori sudah ada di kampus 2 yaitu; *permeable pavement*, *rainwater harvesting*, *green roofs*, dan *blue roofs*.
2. Kampus 3 Universitas Atma Jaya Yogyakarta memiliki 3 kategori *Low Impact Development* yaitu *permeable pavement*, *stormwater tree trenches*, dan *rainwater harvesting*. Ketiga kategori dalam kampus 3 tersebut perlu ditingkatkan agar pengelolaan air hujan kampus tersebut lebih baik. *Rainwater harvesting* pada kampus 3 dapat ditingkatkan dengan menambahkan instalasi menjadi air bersih.
3. Kampus 4 Universitas Atma Jaya Yogyakarta memiliki 3 kategori *Low Impact Development* yang ada yaitu, *permeable pavement*, *rain garden* dan *stormwater tree trenches*. Ketiga kategori dapat ditingkatkan agar pengelolan air hujan dapat dikelola lebih maksimal dengan memenuhi indikator yang belum ada dalam pengelolaan air hujan tersebut.
4. Kampus 1 Universitas Atma Jaya Yogyakarta memiliki 2 kategori *Low Impact Development* yaitu *permeable pavement* dan *rain garden*. Kedua kategori tersebut perlu ditingkatkan agar pengelolaan air hujan di kampus tersebut terkelola dengan baik.

6.2 Saran

Penelitian ini dapat dikembangkan untuk melihat efektivitas dari kategori – kategori *Low Impact Development* dalam mengelola air hujan. Peningkatan pada setiap kategori diperlukan dengan memenuhi seluruh indikator yang belum ada. Pada masing – masing kampus diharapkan dapat memiliki semua kategori *Low Impact Development* agar pengelolaan air hujan dapat maksimal.

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