

## **ABSTRAK**

### **PEMERINTAH KABUPATEN KEBUMEN, 2025, NASKAH AKADEMIK, PENATAAN DAN PENGENDALIAN INFRASTRUKTUR KABEL TELEKOMUNIKASI DI KABUPATEN KEBUMEN.**

Naskah Akademik ini disusun sebagai dasar akademik dan landasan dalam pembentukan Rancangan Peraturan Daerah Kabupaten Kebumen mengenai penataan dan pengendalian infrastruktur telekomunikasi. Perkembangan teknologi informasi dan komunikasi serta meningkatnya kebutuhan masyarakat terhadap layanan telekomunikasi menuntut tersedianya infrastruktur yang efektif, efisien, aman, dan berkelanjutan. Di Kabupaten Kebumen, penataan kabel telekomunikasi menghadapi berbagai tantangan, antara lain kebutuhan penataan yang selaras dengan tata ruang, efisiensi penggunaan infrastruktur, aspek keselamatan, estetika, lingkungan, serta kebutuhan perluasan jaringan untuk mendukung pemerataan akses telekomunikasi. Peraturan Daerah Kabupaten Kebumen Nomor 27 Tahun 2012 tentang Penataan dan Pengendalian Menara Telekomunikasi dan Fiber Optik dinilai sudah tidak relevan dengan perkembangan teknologi, termasuk perkembangan fiber optik, 5G, dan kebutuhan infrastruktur telekomunikasi yang semakin dinamis.

Materi pokok Naskah Akademik meliputi kajian mengenai konsep penataan infrastruktur telekomunikasi, tantangan penataan kabel telekomunikasi, pengaturan dalam peraturan perundang-undangan, kondisi penataan kabel telekomunikasi di Kabupaten Kebumen, pengendalian infrastruktur, fasilitasi Pemerintah Daerah, serta teknis pelaksanaan pembangunan, pemeliharaan, dan pengawasan infrastruktur. Kajian menekankan pentingnya perencanaan lokasi berdasarkan tata ruang dan kebutuhan jaringan, pemilihan jenis infrastruktur sesuai kondisi wilayah, integrasi dan penggunaan bersama infrastruktur, mekanisme perizinan yang transparan dan akuntabel, pengawasan, serta kerja sama antara Pemerintah Daerah dan penyelenggara telekomunikasi. Naskah Akademik merekomendasikan pembaruan regulasi agar penataan dan pengendalian infrastruktur telekomunikasi dapat menyesuaikan perkembangan teknologi, mendukung pemerataan jaringan, meningkatkan efisiensi pembangunan dan pemeliharaan, serta memperhatikan keamanan, estetika, lingkungan, dan kepentingan masyarakat.

**Catatan:** Naskah Akademik disusun di Kebumen pada tanggal 2 Oktober 2025 oleh Tim Penyusun. Naskah Akademik ini menjadi landasan penyusunan Rancangan Peraturan Daerah tentang Penataan dan Pengendalian Infrastruktur Pasif Telekomunikasi dan merekomendasikan penggantian Peraturan Daerah Kabupaten Kebumen Nomor 27 Tahun 2012. Naskah Akademik dilengkapi dengan 4 (empat) lampiran, yaitu data menara sampai dengan tahun 2020, data sinyal jaringan telekomunikasi Kabupaten Kebumen tahun 2020, data sebaran sinyal telekomunikasi Kabupaten Kebumen, dan permohonan izin jaringan utilitas fiber optik.

## **ABSTRACT**

### **KEBUMEN REGENCY GOVERNMENT, 2025, ACADEMIC PAPER, ARRANGEMENT AND CONTROL OF TELECOMMUNICATIONS CABLE INFRASTRUCTURE IN KEBUMEN REGENCY.**

*This Academic Paper is prepared as an academic basis and foundation for the formulation of a Draft Regional Regulation of Kebumen Regency concerning the arrangement and control of telecommunications infrastructure. The rapid development of information and communication technology and the increasing public demand for telecommunications services require infrastructure that is effective, efficient, safe, and sustainable. In Kebumen Regency, the arrangement of telecommunications cables faces various challenges, including the need to align infrastructure development with spatial planning, efficient use of infrastructure, safety, aesthetics, environmental considerations, and network expansion to support equitable access to telecommunications services. Regional Regulation of Kebumen Regency Number 27 of 2012 concerning the Arrangement and Control of Telecommunications Towers and Fiber Optics is considered no longer relevant to technological developments, including the development of fiber optics, 5G technology, and the increasingly dynamic requirements for telecommunications infrastructure.*

*The main substance of this Academic Paper includes an examination of the concept of telecommunications infrastructure arrangement, challenges in telecommunications cable arrangement, regulatory frameworks under laws and regulations, the existing condition of telecommunications cable arrangement in Kebumen Regency, infrastructure control, facilitation by the Regional Government, as well as the technical implementation, maintenance, and supervision of infrastructure. The study emphasizes the importance of location planning based on spatial plans and future network requirements, the selection of appropriate infrastructure according to regional conditions, integrated and shared use of infrastructure, transparent and accountable licensing mechanisms, supervision, and cooperation between the Regional Government and telecommunications operators. The Academic Paper recommends updating the regulatory framework so that the arrangement and control of telecommunications infrastructure can respond to technological developments, support equitable network coverage, improve the efficiency of infrastructure development and maintenance, and address safety, aesthetics, environmental sustainability, and public interests.*

**Note:** *The Academic Paper was prepared in Kebumen on 2 October 2025 by the Drafting Team. It serves as the basis for the formulation of the Draft Regional Regulation concerning the Arrangement and Control of Passive Telecommunications Infrastructure and recommends replacing Regional Regulation of Kebumen Regency Number 27 of 2012. The Academic Paper contains 4 (four) appendices, namely data on telecommunications towers up to 2020, telecommunications network signal data in Kebumen Regency for 2020, telecommunications signal distribution data in Kebumen Regency, and an application for a fiber optic utility network permit.*