

TINJAUAN PERENCANAAN TEBAL PERKERASAN LENTUR DAN KAKU DENGAN METODE MANUAL DESAIN PERKERASAN (MDP) 2017

ST Azril¹, TB Rilva², A T Abdias³

^{1,2,3} Fakultas Teknik, Universitas Kristen Indonesia Toraja, Kampus II Kalondongan, Indonesia

¹azril@unbhu.ac.id; ²rivindingshu@unbhu.ac.id; ³Abdias@unbhu.ac.id

⁴azril@unbhu.ac.id

INFORMASI ARTIKEL

Kata Kunci:

DCP, Daya dukung tanah, Pondasi

Keywords:

DCP, Soil bearing capacity, Foundation

ABSTRAK

Metode yang digunakan dalam penelitian ini adalah metode MDP 2017 dengan melakukan penelitian lapangan menggunakan alat DCP untuk mengetahui daya dukung tanah (CBR), data survey lalu lintas, dan data geometri jalan. Hasil perhitungan nilai ESA5 sebesar 0,59E+06 didapatkan tebal lapis perkerasan HRS WC 5 cm, lapis pondasi bawah kelas A 15 cm, lapis pondasi bawah kelas B atau kerikil alami 15 cm, untuk alternatif AC WC 4cm, AC BC 6 cm, LFA Kelas A 40 cm, untuk nilai kelompok sumbu sebesar 0,59E+06 didapatkan tebal lapis perkerasan, tebal pelat beton 26,5 cm, lapis pondasi bawah LMC 10 cm, dan lapis drainase 15 cm.

ABSTRACT

The method used in this study is the MDP 2017 method by conducting field research using the DCP tool to determine soil carrying capacity (CBR), traffic survey data, and road geometry data.

The result of the calculation of the ESA5 value of 0.59E + 06 obtained the thickness of the HRS WC pavement layer 5 cm, class A foundation layer 15 cm, class B foundation layer or natural gravel 15 cm, for alternative AC WC 4cm, AC BC 6 cm, LFA Class A 40 cm, for the axis group value of 0.59E+06, the thickness of the pavement layer, the thickness of the concrete plate is 26.5 cm, the LMC foundation layer is 10 cm, and the drainage layer is 15 cm.

This is an open access article under the [CC-BY-SA](https://creativecommons.org/licenses/by-sa/4.0/) license.



1. Pendahuluan

Dalam rangka meningkatkan dan mengembangkan kinerja jalan untuk pelaksanaan kegiatan pekerjaan konstruksi jalan untuk menjamin kualitas perkerasan jalan, perlu dilakukan pendekatan perencanaan dan perancangan perkerasan jalan. Manual desain perkerasan 2017 ini merupakan revisi dari manual desain perkerasan 2013 yang mencakup perubahan struktur presentasi untuk memudahkan pemahaman pengguna dan penambahan serta peningkatan konten manual. Manual Desain Perkerasan Jalan 2017 ini untuk mengakomodasi tantangan dan hambatan dalam kinerja aset jalan di Indonesia.

Beberapa jurnal tentang perhitungan ketebalan perkerasan jalan berdasarkan metode pavement design manual (MDP) 2013, dan analisis ketebalan perkerasan lentur jalan baru menggunakan manual desain perkerasan jalan (MDP) 2013, dan juga tentang penanganan kerusakan perkerasan jalan menggunakan manual desain perkerasan jalan MDP 2017. Ruas jalan yang akan ditinjau tidak menggunakan perkerasan lentur sehingga kami ingin menghitung seberapa tebal perkerasan lentur tersebut untuk perencanaan ketebalan perkerasan lentur terdapat beberapa jurnal seperti metode analisis komponen berdasarkan manual perencanaan dan No. SNI 1732-1989-f, dan metode pd t-01-2002-b.

Versi awal dari Manual Desain Perkerasan (MDP 2013) dikembangkan dengan bantuan Pemerintah Australia (AusAID), sebagai bagian dari kegiatan India 209/01. Selanjutnya, versi bahasa Indonesia dikembangkan melalui pertanyaan ekstensif oleh Direktorat Jenderal Bina Marga dan para ahli. Sejumlah bab

Judul Tinjauan Perkerasan Kaku

SB Merriam



Judul Tinjauan Perkerasan Kaku:

Whispering the Secrets of Language: An Psychological Journey through **Judul Tinjauan Perkerasan Kaku**

In a digitally-driven world wherever screens reign supreme and quick transmission drowns out the subtleties of language, the profound strategies and mental subtleties hidden within phrases often go unheard. However, situated within the pages of **Judul Tinjauan Perkerasan Kaku** a interesting literary prize pulsing with fresh emotions, lies an extraordinary journey waiting to be undertaken. Published by a talented wordsmith, that charming opus invites readers on an introspective journey, softly unraveling the veiled truths and profound affect resonating within the very material of each word. Within the mental depths of this moving evaluation, we can embark upon a genuine exploration of the book is primary themes, dissect their fascinating publishing style, and fail to the strong resonance it evokes serious within the recesses of readers hearts.

<https://staging.conocer.cide.edu/data/Resources/Documents/Kelly%20Blue%20Book%20New%20Car%20Pricing.pdf>

Table of Contents Judul Tinjauan Perkerasan Kaku

1. Understanding the eBook Judul Tinjauan Perkerasan Kaku
 - The Rise of Digital Reading Judul Tinjauan Perkerasan Kaku
 - Advantages of eBooks Over Traditional Books
2. Identifying Judul Tinjauan Perkerasan Kaku
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Judul Tinjauan Perkerasan Kaku
 - User-Friendly Interface
4. Exploring eBook Recommendations from Judul Tinjauan Perkerasan Kaku
 - Personalized Recommendations
 - Judul Tinjauan Perkerasan Kaku User Reviews and Ratings

- Judul Tinjauan Perkerasan Kaku and Bestseller Lists
- 5. Accessing Judul Tinjauan Perkerasan Kaku Free and Paid eBooks
 - Judul Tinjauan Perkerasan Kaku Public Domain eBooks
 - Judul Tinjauan Perkerasan Kaku eBook Subscription Services
 - Judul Tinjauan Perkerasan Kaku Budget-Friendly Options
- 6. Navigating Judul Tinjauan Perkerasan Kaku eBook Formats
 - ePub, PDF, MOBI, and More
 - Judul Tinjauan Perkerasan Kaku Compatibility with Devices
 - Judul Tinjauan Perkerasan Kaku Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Judul Tinjauan Perkerasan Kaku
 - Highlighting and Note-Taking Judul Tinjauan Perkerasan Kaku
 - Interactive Elements Judul Tinjauan Perkerasan Kaku
- 8. Staying Engaged with Judul Tinjauan Perkerasan Kaku
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Judul Tinjauan Perkerasan Kaku
- 9. Balancing eBooks and Physical Books Judul Tinjauan Perkerasan Kaku
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Judul Tinjauan Perkerasan Kaku
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Judul Tinjauan Perkerasan Kaku
 - Setting Reading Goals Judul Tinjauan Perkerasan Kaku
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Judul Tinjauan Perkerasan Kaku
 - Fact-Checking eBook Content of Judul Tinjauan Perkerasan Kaku
 - Distinguishing Credible Sources

13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Judul Tinjauan Perangkat Kaku Introduction

Free PDF Books and Manuals for Download: Unlocking Knowledge at Your Fingertips In today's fast-paced digital age, obtaining valuable knowledge has become easier than ever. Thanks to the internet, a vast array of books and manuals are now available for free download in PDF format. Whether you are a student, professional, or simply an avid reader, this treasure trove of downloadable resources offers a wealth of information, conveniently accessible anytime, anywhere. The advent of online libraries and platforms dedicated to sharing knowledge has revolutionized the way we consume information. No longer confined to physical libraries or bookstores, readers can now access an extensive collection of digital books and manuals with just a few clicks. These resources, available in PDF, Microsoft Word, and PowerPoint formats, cater to a wide range of interests, including literature, technology, science, history, and much more. One notable platform where you can explore and download free Judul Tinjauan Perangkat Kaku PDF books and manuals is the internet's largest free library. Hosted online, this catalog compiles a vast assortment of documents, making it a veritable goldmine of knowledge. With its easy-to-use website interface and customizable PDF generator, this platform offers a user-friendly experience, allowing individuals to effortlessly navigate and access the information they seek. The availability of free PDF books and manuals on this platform demonstrates its commitment to democratizing education and empowering individuals with the tools needed to succeed in their chosen fields. It allows anyone, regardless of their background or financial limitations, to expand their horizons and gain insights from experts in various disciplines. One of the most significant advantages of downloading PDF books and manuals lies in their portability. Unlike physical copies, digital books can be stored and carried on a single device, such as a tablet or smartphone, saving valuable space and weight. This convenience makes it possible for readers to have their entire library at their fingertips, whether they are commuting, traveling, or simply enjoying a lazy afternoon at home. Additionally, digital files are easily searchable, enabling readers to locate specific information within seconds. With a few keystrokes, users can search for keywords, topics, or phrases, making research and finding relevant information a breeze. This efficiency saves time and effort, streamlining the learning process and allowing individuals to focus on extracting the information they need. Furthermore, the availability of free PDF books and manuals fosters a culture of continuous learning.

By removing financial barriers, more people can access educational resources and pursue lifelong learning, contributing to personal growth and professional development. This democratization of knowledge promotes intellectual curiosity and empowers individuals to become lifelong learners, promoting progress and innovation in various fields. It is worth noting that while accessing free Judul Tinjauan Perkerasan Kaku PDF books and manuals is convenient and cost-effective, it is vital to respect copyright laws and intellectual property rights. Platforms offering free downloads often operate within legal boundaries, ensuring that the materials they provide are either in the public domain or authorized for distribution. By adhering to copyright laws, users can enjoy the benefits of free access to knowledge while supporting the authors and publishers who make these resources available. In conclusion, the availability of Judul Tinjauan Perkerasan Kaku free PDF books and manuals for download has revolutionized the way we access and consume knowledge. With just a few clicks, individuals can explore a vast collection of resources across different disciplines, all free of charge. This accessibility empowers individuals to become lifelong learners, contributing to personal growth, professional development, and the advancement of society as a whole. So why not unlock a world of knowledge today? Start exploring the vast sea of free PDF books and manuals waiting to be discovered right at your fingertips.

FAQs About Judul Tinjauan Perkerasan Kaku Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. Judul Tinjauan Perkerasan Kaku is one of the best book in our library for free trial. We provide copy of Judul Tinjauan Perkerasan Kaku in digital format, so the resources that you find are reliable. There are also many Ebooks of related with Judul Tinjauan Perkerasan Kaku. Where to download Judul Tinjauan Perkerasan Kaku online for free? Are you looking for Judul Tinjauan Perkerasan Kaku PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you

receive whatever you purchase. An alternate way to get ideas is always to check another Judul Tinjauan Perkerasan Kaku. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of Judul Tinjauan Perkerasan Kaku are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with Judul Tinjauan Perkerasan Kaku. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with Judul Tinjauan Perkerasan Kaku To get started finding Judul Tinjauan Perkerasan Kaku, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with Judul Tinjauan Perkerasan Kaku So depending on what exactly you are searching, you will be able tochoose ebook to suit your own need. Thank you for reading Judul Tinjauan Perkerasan Kaku. Maybe you have knowledge that, people have search numerous times for their favorite readings like this Judul Tinjauan Perkerasan Kaku, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. Judul Tinjauan Perkerasan Kaku is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, Judul Tinjauan Perkerasan Kaku is universally compatible with any devices to read.

Find Judul Tinjauan Perkerasan Kaku :

[kelly blue book new car pricing](#)

kawasaki zrx1200s 2004 repair service manual

[kawasaki zx7r exploded view drawing](#)

[kcse mock papers kiswahili](#)

kemppi pro 4000 user manual

[kepe answers for mathematics paper 23](#)

kel co class calculator instruction manual

ken brock flight manual

kawasaki z1 z series 900 motorcycle full service repair manual 1972 onwards

~~kawasaki zx12r service manual~~

kawasaki zx6r ninja 2000 2002 service repair manual

kazuma falcon 150 manual

kawasaki x2 800 jf800a6f 2006 to 2008 service manual

kdl 52nx800 manual user guide

kcu 951 installation manual

Judul Tinjauan Perkerasan Kaku :

Cercami ancora. Tangled trilogy by Emma Chase Emma Chase is a New York Times and USA Today bestselling author of romance filled with humor, heat and heart. Her books have been published in over 20 languages ... Cercami ancora (Tangled Vol. 2) (Italian Edition) Cercami ancora (Tangled Vol. 2) (Italian Edition) - Kindle edition by Chase ... Emma Chase is a New York Times and USA Today bestselling author of romance ... Cercami ancora (Tangled, #2) by Emma Chase Mar 25, 2014 — Emma Chase is a New York Times and USA Today bestselling author of romance filled with humor, heat and heart. Her books have been published in ... Cercami ancora. Tangled trilogy Emma Chase is a New York Times and USA Today bestselling author of romance filled with humor, heat and heart. Her books have been published in over 20 ... Cercami ancora Cercami ancora; Formato Copertina rigida. Newton Compton Editori. Cercami ancora. Emma Chase. € 5,90. eBook € 2,99. Cercami ancora · Emma Chase. 9788854166813 ... Emma Chase Emma Chase. Sort. Title · Release date · Popularity. Filter. Media type ... ancora. Tangled Series. Emma Chase Author (2014). cover image of Cercami questa notte ... Tangled Series. Non cercarmi mai più, Dimmi di sì ... Non cercarmi mai più, Dimmi di sì, Cercami ancora, Io ti cercherò, Tu mi cercherai. Emma Chase. € 6,99. eBook € 6,99. Tangled Series. Non cercarmi mai più ... Cercami ancora. Tangled trilogy - Chase, Emma - Ebook Cercami ancora. Tangled trilogy è un eBook di Chase, Emma pubblicato da Newton Compton Editori nella collana eNewton. Narrativa a 2.99. Cercami ancora - Emma Chase Jun 5, 2014 — Get Textbooks on Google Play. Rent and save from the world's largest eBookstore. Read, highlight, and take notes, across web, tablet, and phone. Cercami ancora eBook di Emma Chase - EPUB Libro Leggi «Cercami ancora» di Emma Chase disponibile su Rakuten Kobo. EDIZIONE SPECIALE: CONTIENE UN ESTRATTO DI IO TI CERCHERÒ **Tangled Series Migliore ... Ditch Witch R-65 Trencher Parts Manual This parts catalog will provide detailed information on how to dismantle your machine through exploded views of the parts and components of your equipment ... Ditch Witch R-65 Trencher Parts Manual This Operation Instructions and Parts List manual

has · been designed to provide you a quick. simple. easy-to-use · reference for ordering "Genuine DITCH WITCH ... Ditch Witch R-65 Trencher Chassis Operators Manual ... Ditch Witch R-65 Trencher Chassis Operators Manual Parts Catalog ; Item Number. 255888136739 ; Compatible Equipment Make. Ditch Witch ; Brand. Ditch Witch ... New Parts Manual for Ditch Witch R65 Tractor Chassis This Ditch Witch model R65 Tractor Parts Manual Trencher Chassis Only is a reproduction of the original factoryissued Parts ManualIt shows 34 pages of ... Ditch Witch Plow Parts Manual A-DW-P-R65COMBO Buy Ditch Witch Plow Parts Manual A-DW-P-R65COMBO, Part #A-DW-P-R65COMBO at Tired Iron Tractor Parts, we're experts in tractor restoration and repair. Ditch Witch R-65 Vibratory Plow Attachment Parts Manual Our Parts Manuals contains exploded views of your entire tractor or machine with parts listings and part numbers. This manual will never let you order ... Ditch Witch R-65 Trencher Wisconsin Engine Service Manual Written in the language of a mechanic, this Service Manual for Ditch Witch provides detailed information on how to take your Trencher Wisconsin Engine apart, ... One New Operators & Parts Manual Fits Ditch Witch R-65 ... Buy One New Operators & Parts Manual Fits Ditch Witch R-65 Trencher Models Interchangeable with RAP70888: Spare & Replacement Parts - Amazon.com □ FREE ... New Parts Manual for Ditch Witch R-65 Tractor Chassis This Ditch Witch model R-65 Tractor Parts Manual (Trencher Chassis Only) is a reproduction of the original factory-issued Parts Manual. Ditch Witch Chassis Parts Manual A-DW-P-R65 34 pages - Ditch Witch R-65 TRENCHER CHASSIS ONLY Parts Manual (PTS); Pages : 34. Sections and Models: Manuals > Manuals; Ditch Witch TRENCHER: R-65. Cashvertising: How to Use More Than 100 Secrets of Ad ... Cashvertising: How to Use More Than 100 Secrets of Ad-Agency Psychology to Make BIG MONEY Selling Anything to Anyone [Whitman, Drew Eric] on Amazon.com. Cashvertising: How to Use More Than 100 Secrets of Ad- ... Cashvertising: How to Use More Than 100 Secrets of Ad-Agency Psychology to Make BIG MONEY Selling Anything to Anyone. Drew Eric Whitman. 4.36. 2,321 ratings159 ... Cashvertising: How to Use More Than 100... by Drew Eric ... Cashvertising: How to Use More Than 100 Secrets of Ad-Agency Psychology to Make Big Money Selling Anything to Anyone [Paperback] [Jan 01, 2017] Drew Eric ... Ca\$hvertising: How to Use More than 100 Secrets of Ad ... Reviews · Cashvertising: How to Use More Than 100 Secrets of Ad-Agency Psychology to Make BIG MONEY Selling Anything to Anyone · Cashvertising: How to Use More ... Cashvertising: How to Use More Than 100 Secrets of Ad- ... Cashvertising: How to Use More Than 100 Secrets of Ad-agency Psychology to Make Big Money Selling Anything to Anyone · How to create powerful ads, brochures, ... Cashvertising: How to Use More Than 100 Secrets of Ad- ... Cashvertising: How to Use More Than 100 Secrets of Ad-Agency Psychology to Make Big Money Selling Anything to Anyone by Whitman, Drew Eric - ISBN 10: ... Cashvertising Summary of Key Ideas and Review Cashvertising by Drew Eric Whitman is a marketing book that offers effective advertising techniques to increase sales and profits. Using psychological triggers ... Cashvertising: How to Use More Than 100 Secrets of Ad- ... Cashvertising: How to Use More Than 100 Secrets of Ad-Agency Psychology to Make BIG MONEY Selling Anything to Anyone · Product Details. Product Details. Product ... "Cashvertising" by Drew Eric Whitman

Sep 22, 2018 — Cashvertising, or “How to Use More Than 100 Secrets of Ad-Agency Psychology to Make BIG Money Selling Anything to Anyone”, is focused on the ...