

FACULTY OF ARCHITECTURE, UNIVERSITY OF SARAJEVO
DEPARTMENT OF STRUCTURAL ANALYSIS AND DESIGN

ČAUŠEVIĆ AMIR
Faculty of Architecture Sarajevo
MILJANOVIĆ SLADANA
Faculty of Architecture Sarajevo

TEACHING STRUCTURAL ANALYSIS

SUMMARY

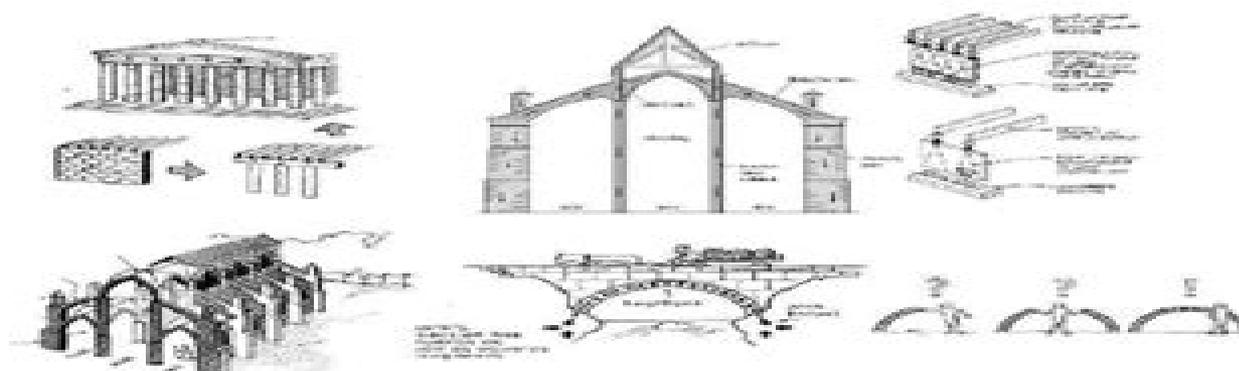
The paper presents a significance of the Department of Structural Analysis and Design education process for the students of architecture.

WHAT AND WHY WE TEACH - Description of the course

The essence of structural design is to shape each structure to respond effectively to the forces that it is exposed to. Buildings, like any other physical entity, require structural frameworks to maintain their existence in a recognizable physical form.

Thus, students of architecture should be involved in the process of creating suitable structural form throughout education, from their first fundamental lessons to the extended designs of their advanced courses. Knowledge of statics, which is the science of the effects and distribution of forces on bodies that remain in equilibrium, is a sufficient basis for the identification of ideal forms.

Knowledge of statics and an art of shaping structures are natural companions. All structural wisdom grows from understanding of these elements of statics. Students that emerge from a course in statics with a confident command of them are well prepared to undertake the study of the internal flows of forces.



The Teaching Of Structural Analysis Jbm

M Mark



The Teaching Of Structural Analysis Jbm:

Uncover the mysteries within Crafted by is enigmatic creation, Embark on a Mystery with **The Teaching Of Structural Analysis Jbm** . This downloadable ebook, shrouded in suspense, is available in a PDF format (*). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

https://matrix.jamesarcher.co/files/book-search/default.aspx/Triumph_675_Daytona_And_Street_Triple_Service_And_Repair_Manual_2006_To_2010_Haynes_Service_And_Repair_Manuals_By_Coombs_Matthewapril_12_2010_Hardcover.pdf

Table of Contents The Teaching Of Structural Analysis Jbm

1. Understanding the eBook The Teaching Of Structural Analysis Jbm
 - The Rise of Digital Reading The Teaching Of Structural Analysis Jbm
 - Advantages of eBooks Over Traditional Books
2. Identifying The Teaching Of Structural Analysis Jbm
 - 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 The Teaching Of Structural Analysis Jbm
 - User-Friendly Interface
4. Exploring eBook Recommendations from The Teaching Of Structural Analysis Jbm
 - Personalized Recommendations
 - The Teaching Of Structural Analysis Jbm User Reviews and Ratings
 - The Teaching Of Structural Analysis Jbm and Bestseller Lists
5. Accessing The Teaching Of Structural Analysis Jbm Free and Paid eBooks
 - The Teaching Of Structural Analysis Jbm Public Domain eBooks
 - The Teaching Of Structural Analysis Jbm eBook Subscription Services
 - The Teaching Of Structural Analysis Jbm Budget-Friendly Options

6. Navigating The Teaching Of Structural Analysis Jbm eBook Formats
 - ePub, PDF, MOBI, and More
 - The Teaching Of Structural Analysis Jbm Compatibility with Devices
 - The Teaching Of Structural Analysis Jbm Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of The Teaching Of Structural Analysis Jbm
 - Highlighting and Note-Taking The Teaching Of Structural Analysis Jbm
 - Interactive Elements The Teaching Of Structural Analysis Jbm
8. Staying Engaged with The Teaching Of Structural Analysis Jbm
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers The Teaching Of Structural Analysis Jbm
9. Balancing eBooks and Physical Books The Teaching Of Structural Analysis Jbm
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection The Teaching Of Structural Analysis Jbm
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine The Teaching Of Structural Analysis Jbm
 - Setting Reading Goals The Teaching Of Structural Analysis Jbm
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of The Teaching Of Structural Analysis Jbm
 - Fact-Checking eBook Content of The Teaching Of Structural Analysis Jbm
 - 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

The Teaching Of Structural Analysis Jbm Introduction

In today's digital age, the availability of The Teaching Of Structural Analysis Jbm books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of The Teaching Of Structural Analysis Jbm books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of The Teaching Of Structural Analysis Jbm books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing The Teaching Of Structural Analysis Jbm versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, The Teaching Of Structural Analysis Jbm books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing The Teaching Of Structural Analysis Jbm books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for The Teaching Of Structural Analysis Jbm books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare,

which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, The Teaching Of Structural Analysis Jbm books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of The Teaching Of Structural Analysis Jbm books and manuals for download and embark on your journey of knowledge?

FAQs About The Teaching Of Structural Analysis Jbm 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. The Teaching Of Structural Analysis Jbm is one of the best book in our library for free trial. We provide copy of The Teaching Of Structural Analysis Jbm in digital format, so the resources that you find are reliable. There are also many Ebooks of related with The Teaching Of Structural Analysis Jbm. Where to download The Teaching Of Structural Analysis Jbm online for free? Are you looking for The Teaching Of Structural Analysis Jbm 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 The Teaching Of Structural Analysis Jbm. 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 The Teaching Of Structural Analysis Jbm 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 The Teaching Of Structural Analysis Jbm. 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 The Teaching Of Structural Analysis Jbm To get started finding The Teaching Of Structural Analysis Jbm, 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 The Teaching Of Structural Analysis Jbm So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading The Teaching Of Structural Analysis Jbm. Maybe you have knowledge that, people have search numerous times for their favorite readings like this The Teaching Of Structural Analysis Jbm, 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. The Teaching Of Structural Analysis Jbm 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, The Teaching Of Structural Analysis Jbm is universally compatible with any devices to read.

Find The Teaching Of Structural Analysis Jbm :

triumph 675 daytona and street triple service and repair manual 2006 to 2010 haynes service and repair manuals by coombs matthew april 12 2010 hardcover

toefl speaking questions and sample answers

understanding algebra by james brennan

this business of concert promotion and touring a practical guide to creating selling organizing and staging concerts

[treasures grammar practice book grade 5](#)

[those who save us jenna blum](#)

time resolved electron diffraction for chemistry biology and material science volume 184 advances in imaging

and electron physics

thirty days of forex trading trades tactics and techniques

top 10 visionaries that changed the world 500 life and business lessons

toyota lexus v8 1uz fe 2uz fe master bible

umar ibn al farid sufi verse saintly life

turn it on again a genesis forum home

toyota hilux 5l engine repair manual thezimbo

through the breach rpg fated almanac wyrd miniatures

total automotive technology 4th edition answers

The Teaching Of Structural Analysis Jbm :

the trouble with being born film wikipedia - Oct 14 2023

web the trouble with being born is a 2020 science fiction drama film directed and co written by sandra wollner an international co production of austria and germany the film depicts an android lena watson living with a man dominik warta as a replicant in place of his young daughter who had disappeared years prior 3

the trouble with being born official trailer youtube - Jul 11 2023

web watch the trouble with being born feature film here bit ly thetroublewithbeingbornelli is an android and lives with a man she calls her father she

the trouble with being born review unsettling science fiction - Jun 10 2023

web dec 3 2020 in an era of incredibly lifelike sex robots whose sales have increased during the isolation of 2020 wollner s film leans into the worst case scenario of its father and daughter relationship wondering at technology s ability to

the trouble with being born cineuropa - Jan 05 2023

web feb 12 2020 the trouble with being born and johanna dohnal visionary of feminism triumph at the diagonale 29 02 2020 berlinale 2020 awards mohammad rasoulof s there is no evil triumphs at the berlinale 20 01 2020 berlinale 2020 cristi puiu s malmkrog to open berlinale s encounters competition

the trouble with being born film review variety - May 09 2023

web reviews mar 1 2020 3 17am pt the trouble with being born film review striking intellectualism and icy formalism vie with a viscerally upsetting premise in sandra wollner s deeply fraught

the trouble with being born letterboxd - Feb 06 2023

web i love this title the trouble with being born it s an austrian sci fi drama roughly divided in two parts each dealing with the

role an android modelled after a ten year old girl plays in the grief process of its main character an interesting approach to themes like grief memory identity and perhaps even gender

the trouble with being born rotten tomatoes - Apr 08 2023

web a singularly disturbing deceptively subdued haunting science fiction drama of ideas designed to provide unsettling food for thought about the human desire to replicate intimacy with technology

the trouble with being born 2020 imdb - Sep 13 2023

web jul 1 2021 the trouble with being born directed by sandra wollner with lena watson dominik warta ingrid burkhard jana mckinnon elli is an android programmed with memories that mean everything to her owner but nothing to her the story of a machine and the ghosts we all carry within us

the trouble with being born cineuropa - Mar 07 2023

web feb 12 2020 memories that mean everything to him but nothing to her yet one night she sets off into the woods following a fading echo the story of a machine and the ghosts we all carry within us international title the trouble with being born original title the trouble with being born country austria germany

the trouble with being born book wikipedia - Aug 12 2023

web the trouble with being born french de l'inconvénient d'être né is a 1973 philosophy book by romanian author emil cioran the book is presented as a series of aphorisms meditating primarily on the painful nature of being alive and how this is connected to other subjects such as god metaphysical exile and decay

[be a mermaid be independent be powerful be free amazon](#) - Aug 13 2023

web hello select your address all

be a mermaid be independent be powerful be free - Oct 03 2022

web 85 pages paperback published july 1 2020 book details editions

be a mermaid be independent be powerful be free - May 10 2023

web be a mermaid be independent be powerful be free by sarah ford author you may be a mermaid if you love the sea care deeply about equality believe deeply in yourself and your friends are allergic to waiting by the phone prefer the depths to the shallows face life with optimism and aren't afraid to make waves

be a mermaid be independent be powerful be free - Apr 09 2023

web buy be a mermaid be independent be powerful be free 1 by ford sarah isbn 9781846015632 from amazon's book store everyday low prices and free delivery on eligible orders

[be a mermaid be independent be powerful be free by sarah](#) - Feb 07 2023

web mar 27 2018 booktopia has be a mermaid be independent be powerful be free by sarah ford buy a discounted

paperback of be a mermaid online from australia s leading online bookstore help centre

be a mermaid be independent be powerful be free google play - Sep 14 2023

web be a mermaid be independent be powerful be free ebook written by sarah ford read this book using google play books app on your pc android ios devices download for offline reading highlight bookmark or take notes while you read be a mermaid be independent be powerful be free

be a mermaid be independent be powerful be free alibris - Aug 01 2022

web buy be a mermaid be independent be powerful be free by sarah ford online at alibris we have new and used copies available in 1 editions starting at 1 45 be a mermaid be independent be powerful be free by sarah ford write the first customer review filter results shipping eligible for free shipping expedited shipping

be a mermaid be independent be powerful be free by sarah - Dec 05 2022

web mar 27 2018 mermaid is happy in her own fins she is fiercely independent and is just as happy taking herself out for dinner as she is on a night out with the squad never one to bow out early she confronts every challenge head on and isn t afraid to get her hands dirty though her tail will always be sparkling clean so let mermaid guide you through the

be a mermaid be independent be powerful be free - Nov 04 2022

web select the department you want to search in

singapore freediving academy try mermaid - Feb 24 2022

web try mermaid the lifelong dream of being a mermaid can now become a reality singapore freediving academy and ssi has an entire range of mermaid classes including the popular mermaid model and ocean mermaid learning to swim in a mermaid tail is both a enjoyable way to show your creative side and a healthy way to work out

be a mermaid be independent be powerful be free hachette - Oct 15 2023

web mar 27 2018 be a mermaid be independent be powerful be free sarah ford write review be a humour gift books animal stories children s teenage paperback mar 27 2018 9781846015632 rrp 9 99 buy now a little book that packs a big punch with motivational sayings and colourful characterful drawings of the sea queen herself

be a mermaid be independent be powerful be free ford - Sep 02 2022

web select the department you want to search in

be a mermaid be independent be powerful be free half - Jan 06 2023

web free spirited thrill seeking and fun loving mermaid is an inspiration a little book that packs a big punch with motivational sayings and colorful characterful drawings of the sea queen herself be a mermaid is a great gift for friends who need reminding of their inner mermaid as well as a must have addition for anyone who needs to regain the power

be a mermaid be independent be powerful be free be a - Mar 08 2023

web mar 31 2018 amazon com be a mermaid be independent be powerful be free be a ebook ford sarah kindle store

be a mermaid be independent be powerful be free price - Jun 30 2022

web product information lowest price for be a mermaid be independent be powerful be free is 6 49 this is currently the cheapest offer among 2 stores popular searches in

be a mermaid be independent be powerful be free - May 30 2022

web mermaid is happy in her own fins she is fiercely independent and is just as happy taking herself out for dinner as she is on a night out with the squad never one to bow out early she confronts every challenge head on and isn t afraid to get her hands dirty though her tail will always be sparkling clean so let mermaid guide you through the trials and

singapore freediving academy mermaid - Mar 28 2022

web we are also the only centre in singapore to offer the ssi mermaid instructor program under the guidance of a full fledged mermaid instructor trainer prerequisite 12 years old able to swim 200m unassisted float for 10mins duration theory lesson and two x 3hrs in water sessions over 2 days price 708 including certification course

be a mermaid be independent be powerful be free by sarah - Apr 28 2022

web find many great new used options and get the best deals for be a mermaid be independent be powerful be free by sarah ford paperback 2018 at the best online prices at ebay free delivery for many products

be a mermaid be independent be powerful be free - Jul 12 2023

web mermaid is happy in her own fins she is fiercely independent and is just as happy taking herself out for dinner as she is on a night out with the squad never one to bow out early she confronts every challenge head on and isn t afraid to get her hands dirty though her tail will always be sparkling clean

be a mermaid be independent be powerful be free google - Jun 11 2023

web be a mermaid is a great gift for friends who need reminding of their inner mermaid as well as a must have addition for anyone who needs to regain the power search be a mermaid be independent be powerful be free sarah ford octopus mar 31 2018 humor 96 pages 0 reviews

pengaruh model pembelajaran direct instruction terhadap hasil - Apr 30 2022

web pembelajaran direct instruction atau pengajaran langsung model pembelajaran direct instruction merupakan suatu model pembelajaran yang bersifat teaching center

model pembelajaran direct instruction eureka pendidikan - Feb 26 2022

web nov 30 2014 model pembelajaran direct instruction eureka pendidikan pengajaran langsung merupakan suatu model pengajaran yang sebenarnya bersifat teacher

penerapan model pembelajaran langsung direct - Jun 13 2023

sudrajat dalam fathurrahman 2015 hlm 176 179 menyatakan bahwa model pembelajaran langsung memiliki kelebihan kelebihan sebagai berikut 1 dapat see more

implementasi model pembelajaran direct - May 12 2023

selain mempunyai kelebihan kelebihan pada setiap model pembelajaran akan ditemukan keterbatasan keterbatasan atau kelemahan yang ditemukan terutama see more

sintaks model pembelajaran direct instruction gsd - Sep 23 2021

web jan 15 2020 model direct instruction pengajaran langsung merupakan suatu pendekatan mengajar yang dapat membantu siswa dalam mempelajari keterampilan

penerapan model direct instruction dalam - Mar 30 2022

web salah satu model pembelajaran yang efektif adalah model direct instruction model direct instruction atau pengajaran langsung di dasarkan dari sistem terbentuk secara

model pembelajaran langsung zenius untuk guru - Jun 01 2022

web jun 15 2022 model pembelajaran langsung atau direct instruction melibatkan peran aktif guru dalam menjalankan pembelajaran sementara dalam model pembelajaran

model pembelajaran langsung direct instruction - Jan 28 2022

web dec 5 2019 model pembelajaran langsung direct instruction dilandasi oleh teori belajar perilaku yang berpandangan bahwa belajar bergantung pada pengalaman

pdf konsep penggunaan perbandingan dan - Jan 08 2023

web model direct instruction dapat mendorong kemampuan mahasiswa dalam membangun pengetahuannya sendiri melalui aktivitas belajar aktivitas belajar yang diberikan adalah

penerapan model pembelajaran langsung direct - Oct 05 2022

web e a 2019 no title jurnal pajar pendidikan dan pengajaran 3 4 859 869 elistina 2014 penerapan model pembelajaran langsung direct instruction

pembelajaran langsung atau direct instruction esai - Feb 09 2023

web penelitian ini bertujuan mendeskripsikan penerapan model pembelajaran langsung direct instruction dan mendeskripsikan efektifitas penerapan model pembelajaran

penerapan model pengajaran langsung direct - Jul 14 2023

pada model pembelajaran langsung direct instruction terdapat lima tahapan atau fase yang sangat penting untuk dilakukan agar pembelajaran berjalan dengan see more

mengenal model pembelajaran langsung direct instruction - Oct 25 2021

web apr 30 2022 mengenal model pembelajaran langsung direct instruction dibaca 1 129 kali model pembelajaran langsung salah satu langkah efektif yang dapat dilakukan

artikel review model pembelajaran langsung direct - Nov 06 2022

web abstrak penelitian ini bertujuan untuk 1 meningkatkan aktivitas belajar siswa pada materi ikatan kimia kelas x 1 di sma islam 1 surakarta tahun pelajaran 2016 2017

kontektualisasi direct instruction dalam pembelajaran sains neliti - Sep 04 2022

web model direct instruction selain efektif digunakan agar siswa menguasai suatu pengetahuan prosedural dan pengetahuan deklaratif sederhana model ini juga efektif

implementasi model pembelajaran direct instruction - Dec 07 2022

web terstruktur penggunaan model pembelajaran langsung direct instruction sesuai dengan karakteristik siswa sma yang tingkat berfikirnya masih sederhana pengajaran

doc mengenal direct instruction model pembelajaran - Dec 27 2021

web aziz thorik 2014 pengaruh penerapan model pembelajaran langsung direct instruction terhadap motivasi belajar siswi kelas x madrasah aliyah at taufiqiyah

penerapan model pembelajaran langsung direct - Mar 10 2023

web model pengajaran langsung direct intruction merupakan suatu pendekatan mengajar yang dapat membantu siswa dalam mempelajari keterampilan dasar dan memperoleh

model pembelajaran langsung direct instruction calon pendidik - Nov 25 2021

web jul 14 2020 a fase 1 menjelaskan dan menetapkan tujuan b fase 2 mendemonstrasikan pengetahuan dan keterampilan c fase 3 memberikan latihan

pengaruh model pengajaran langsung direct - Jul 02 2022

web pengaruh model pengajaran langsung direct instruction terhadap hasil belajar fisika siswa kuasi eksperimen di smp islamiyah ciputat

model pembelajaran langsung direct instruction serupa id - Aug 15 2023

menurut fathurrahman 2015 hlm 167 model pembelajaran langsung adalah suatu model yang dapat membentuk peserta didik untuk mempelajari serta menguasai keterampilan dasar dan mendapatkan sebuah informasi selangkah demi selangkah artinya model pembelajaran ini membutuhkan see more

pengaruh model pembelajaran langsung direct - Aug 03 2022

web 2 1 model pembelajaran langsung direct instruction menurut arends 1997 dalam trianto 2011 41 model pengajaran langsung adalah salah satu pendekatan

penggunaan model pembelajaran langsung - Apr 11 2023

kekurangan tersebut dapat disiasati oleh guru dengan cara guru harus siap berpengetahuan percaya diri antusias dan terstruktur dalam ceramah see more