

Compatibility-based Matching

To propose an idea of how we should
probably form our group

Feel free to disagree

Feel free to discuss

Feel free to propose other ideas

Please be mindful, consideration, and rational.






Thx

I'm making this just to propose (menawarkan)
ide saja, gak paksa, feel free to reject (tp kasih alasan jelas)







The Problem: How Should We Form Pairs?

- We need a fair and effective way to create pairs for our projects. The choices:
 - - Random Spin
 - - Pick Our Own Partner
 - - Smart Compatibility Algorithm
- Which one is best?






Option 1: Random Spin

-  Quick & easy
-  Fair (no bias)
-  Might pair people who dislike each other
-  No guarantee of good teamwork
-  Pairs might struggle with different work styles
- It's just too random

Option 2: Pick Your Own Partner

-  You get to choose who you work with
-  Avoids conflicts with people you dislike
-  Popular people get picked first
-  Some people might not get picked at all (awkward!)
-  Some pairs could be too strong, while others struggle
-  menghindari konflik, hehehe heheh

Option 3: Smart Compatibility Algorithm

-  Pairs people based on logical matching
-  Considers work styles, preferences & communication habits
-  Reduces conflicts and improves teamwork
-  Still lets you pick preferred partners
-  Requires filling out a short form (but it's easy!)

Why Use the Algorithm?

- ♦ Fair for everyone
 - ♦ Creates better, more balanced pairs
 - ♦ Reduces conflict & increases productivity
 - ♦ Ensures no one gets left out
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- It's like an AI-powered Cupid for group projects!

How It Works?

- **1** Fill out a quick Google Form about work preferences
- **2** The algorithm scores compatibility based on answers
- **3** It pairs the best-matched partners together
- **4** Everyone gets a partner who works well with them(hopefully)!

How it wroks?

1. Jadi nanti semua mhs isi gform yang berisikan pertanyaan (multiple choice) berkenaan ttg gaya belajar / etc yang nantinya diajdiin alat ukur untuk menemukan partner. Kek begini cth pertanyaanya

how do you handle "beban kelompok" *

- ☐ i prefer to carry them
- ☐ i misuh misuh
- ☐ kick em out of group (not giving them credit)

work style *

- ☐ Independent
- ☐ Collaborative
- ☐ Flexible

U don't need to worry bout this part

2. Terus setelah 26 mhs isi semua, download .csv masukin ke code, terus tinggal run code, terus outputnya begini:




```
Student 10      is paired with  Student 6              (Final Score: 13.0)
Q6: Extrovert = Extrovert → +1.5
Q9: I don't mind working together on everything = I don't mind working together on everything → +1
Q12: Structured and well-defined = Structured and well-defined → +0.5
🎯 Mutual Choice Bonus → +10
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Student 19      is paired with | Student 26              (Final Score: 11.0)
Q2: Afternoon = Afternoon → +2
Q4: Independent = Independent → +2
Q5: Finish early = Finish early → +1
Q6: Extrovert = Extrovert → +1.5
Q7: Online chats (WhatsApp, Discord, etc.) = Online chats (WhatsApp, Discord, etc.) → +2
Q8: I compromise and adjust = I compromise and adjust → +1
Q9: I don't mind working together on everything = I don't mind working together on everything → +1
Q10: Slow but thorough = Slow but thorough → +0.5
```

Klo misal mutual choice, score nya gede bgt guys, jd free will kalian tetap paling gede ngaruhnya. Contohnya student 10 & student 6(ini contoh aja ya)

- Sangat di apresiasi sekali kalau ada masukan, koreksi atau feedback apapun itu, terhadap source code atau algoritma nya, apapun....
- Just want to make it fair and just and best for all

#justice

Let's Vote!

- Which method should we use?
 - -  Random Spin
 - -  Pick Your Own Partner
 - -  Compatibility Algorithm
-
- Vote now and make our project pairs the best they can be!