Saya mencoba untuk tidak memberikan api key gemini saat aplikasi mcp berjalan dan mendapat error seperti yang ada di link berikut:

```
2025-07-06 13:33:46 - INFO - Initializing services...
2025-07-06 13:33:46 - INFO - [MCP] MCP Server initialization started |
Context: {"version": "2.0.0", "debug_mode": true}
2025-07-06 13:33:46 - ERROR - GEMINI_API_KEY not found in environment
variables
2025-07-06 13:33:46 - ERROR - [MCP] Gemini API key missing | Context:
{"config_issue": "GEMINI_API_KEY not configured", "impact": "Chat
functionality disabled"}
Traceback (most recent call last):
  File "D:\My Files\Training\Binar
Academy\assigments\assigment-6\mcp-weather-server\mcp_debug_server.py",
line 13, in <module>
    from src.app import app
  File "D:\My Files\Training\Binar
Academy\assigments\assigment-6\mcp-weather-server\src\__init__.py",
line 3, in <module>
    from .app import create_app, app
  File "D:\My Files\Training\Binar
Academy\assigments\assigment-6\mcp-weather-server\src\app.py", line 99,
in <module>
    app = create_app()
  File "D:\My Files\Training\Binar
Academy\assigments\assigment-6\mcp-weather-server\src\app.py", line 43,
in create_app
    raise ValueError("GEMINI_API_KEY is required")
ValueError: GEMINI_API_KEY is required
```

dari debug ini kita bisa tau bahwa GEMINI_API_KEY belum diset, dan log debug ini dicreate dari oleh AI saat saya ingin menambahkan debug pada aplikasi MCP yang dibuat.

Berikut saat menggunakan MCP Inspector
mcp-weather-server> python mcp_inspector.py

🔍 MCP Inspector
================

🎯 Target Server: http://localhost:8000
⏰ Starting inspection...

🔍 MCP Inspector - Starting Full Inspection
==
✅ Server Health Check: PASS

```
  Response: {
 "status": "healthy",
 "timestamp": "2025-07-06T14:05:15.324975"
}...
✅ Server Status: PASS
  Response: {
 "system": "MCP Weather Server",
 "status": "healthy",
 "timestamp": "2025-07-06T14:05:16.209562",
 "services": {
  "gemini_service": {
    "name": "GeminiService",
    "status": "active",...
⚠️ Weather API - Missing Key: UNEXPECTED
  Response: {
 "detail": [
  {
    "type": "missing",
    "loc": [
     "body",
     "city"
    ],
    "msg": "Field required",
    "input": {
     "location": "Jakarta"
    }
  }
 ]
}...
⚠️ Chat API - Missing Key: UNEXPECTED
  Response: {
 "success": true,
 "content": "Assistant: Hello again!\n",
 "timestamp": "2025-07-06T14:05:17.004256",
 "metadata": {
  "conversation_count": 2
 }
}...
✅ 404 Test - /invalid/endpoint: PASS
  Response: {
 "status": 404
}...
✅ 404 Test - /weather/invalid: PASS
  Response: {
 "status": 404
}...
✅ 404 Test - /chat/invalid: PASS
  Response: {
```

"status": 404
}...
✅ Weather - Invalid JSON: PASS
 Response: {
 "status": 422
}...
✅ Chat - Missing Message: PASS
 Response: {
 "status": 422
}...
✅ Weather - Missing Location: PASS
 Response: {
 "status": 422
}...

==
📊 MCP INSPECTION REPORT
==

📈 SUMMARY:
 Total Tests: 10
 ✅ Passed: 8
 ❌ Failed: 0
 🚨 Errors: 0
 ⚠️ Unexpected: 2

📄 Detailed report saved: debug/logs/mcp_inspection_20250706_140517.json

✅ Inspection complete!